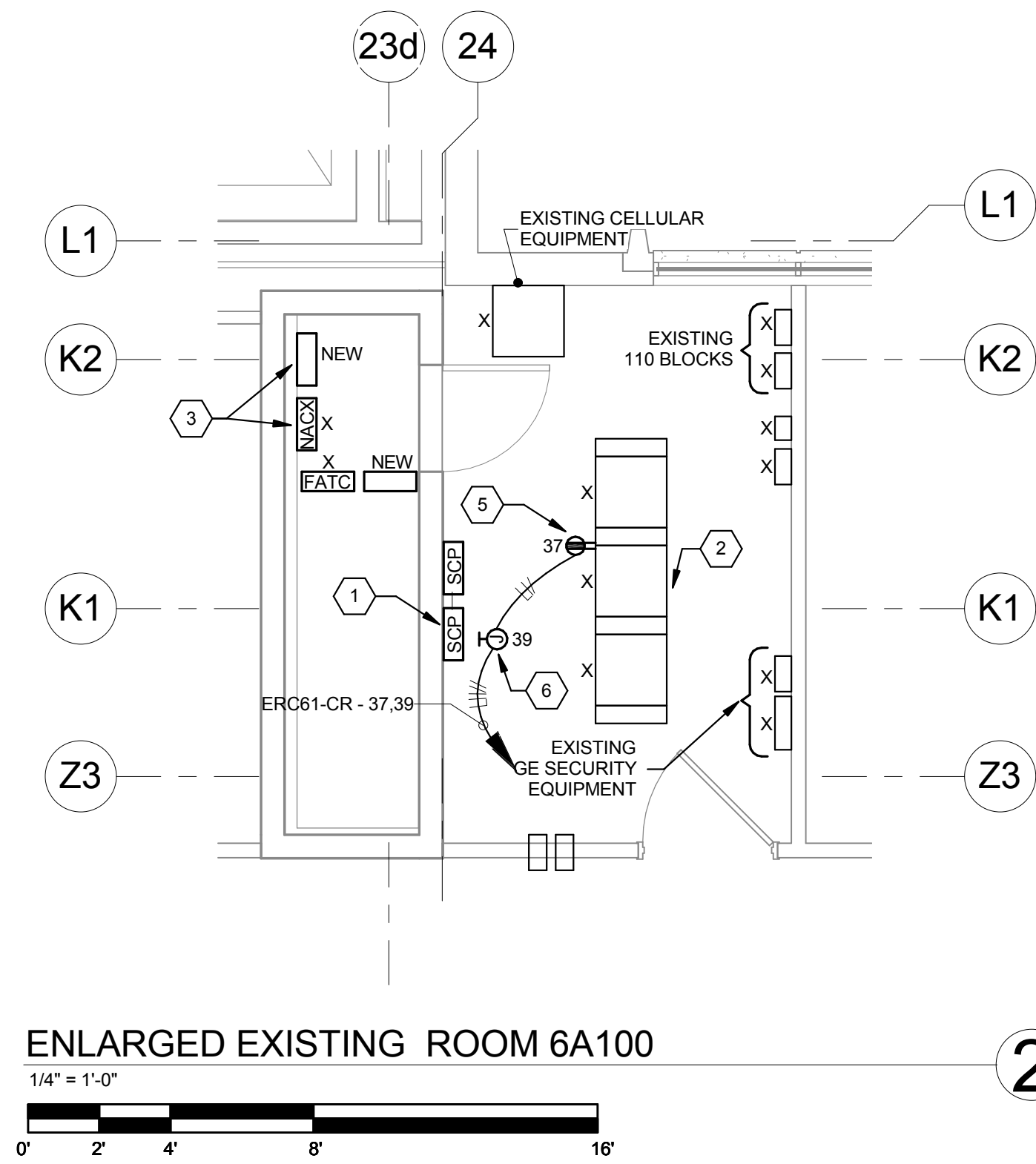
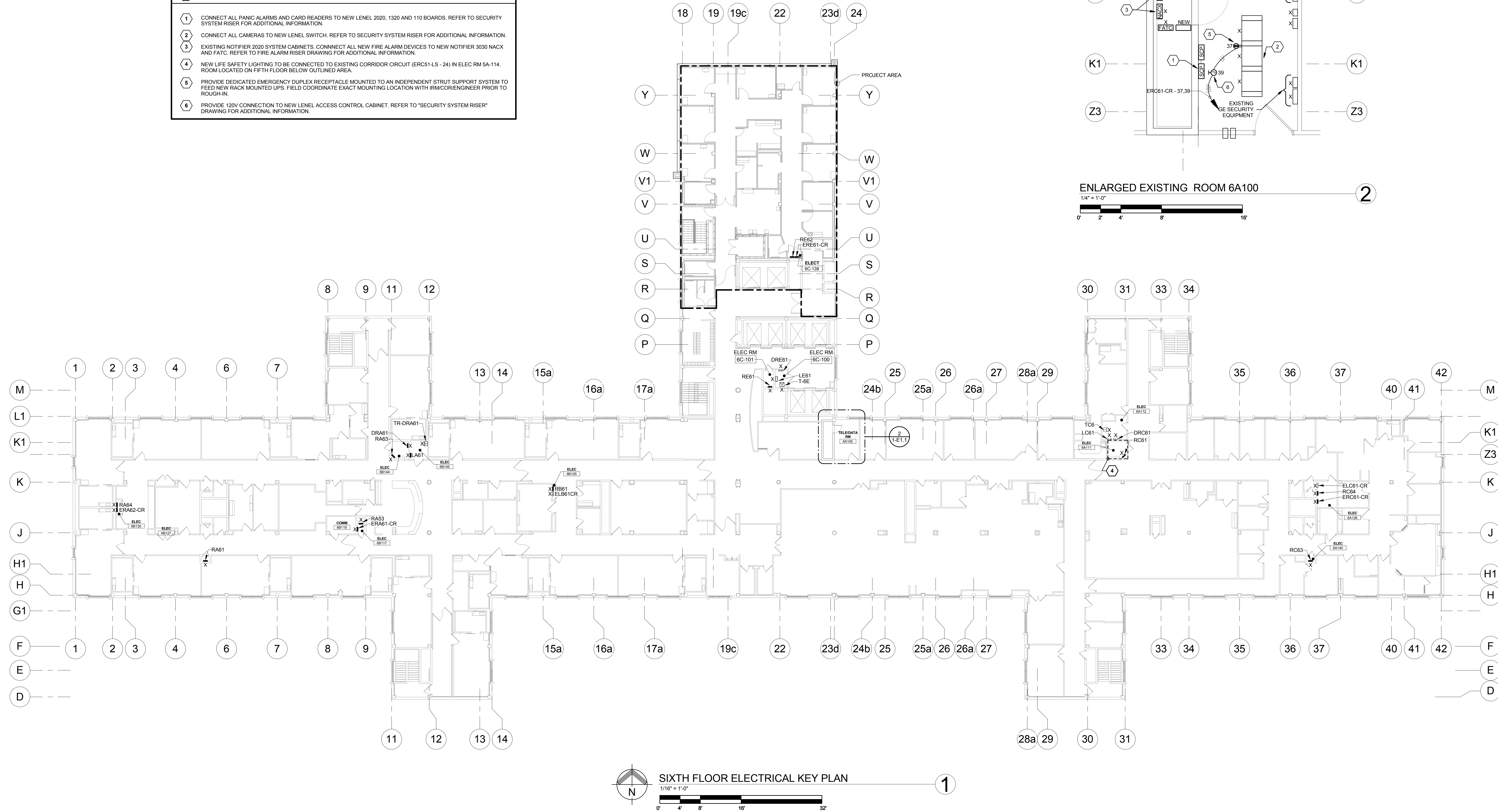
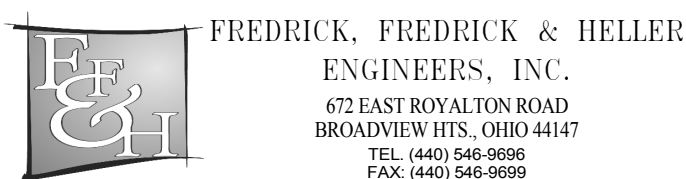


- ELECTRICAL KEY PLAN CODED NOTES**
1. CONNECT ALL PANIC ALARMS AND CARD READERS TO NEW LEVEL 2020, 1320 AND 110 BOARDS. REFER TO SECURITY SYSTEM RISER FOR ADDITIONAL INFORMATION.
 2. CONNECT ALL CAMERAS TO NEW LEVEL SWITCH. REFER TO SECURITY SYSTEM RISER FOR ADDITIONAL INFORMATION.
 3. EXISTING NOTIFIER 2020 SYSTEM CABINETS. CONNECT ALL NEW FIRE ALARM DEVICES TO NEW NOTIFIER 3030 NACX AND FATC. REFER TO FIRE ALARM RISER DRAWING FOR ADDITIONAL INFORMATION.
 4. NEW LIFE SAFETY LIGHTING TO BE CONNECTED TO EXISTING CORRIDOR CIRCUIT (ERC51-LS - 24) IN ELEC RM 5A-114. ROOM LOCATED ON FIFTH FLOOR BELOW OUTLINED AREA.
 5. PROVIDE DEDICATED EMERGENCY DUPLEX RECEPTACLE MOUNTED TO AN INDEPENDENT STRUT SUPPORT SYSTEM TO FEED NEW RACK MOUNTED UPS. FIELD COORDINATE EXACT MOUNTING LOCATION WITH IRM/COREENGINEER PRIOR TO ROUGH-IN.
 6. PROVIDE 120V CONNECTION TO NEW LEVEL ACCESS CONTROL CABINET. REFER TO "SECURITY SYSTEM RISER" DRAWING FOR ADDITIONAL INFORMATION.



BID ISSUE		02/23/15
Revisions:		Date
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Drawing Title
SIXTH FLOOR ELECTRICAL KEY PLAN

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date
02/23/15

Checked
MPL

Drawn
TWM

Project Number
541-CSI-102

Building Number
1

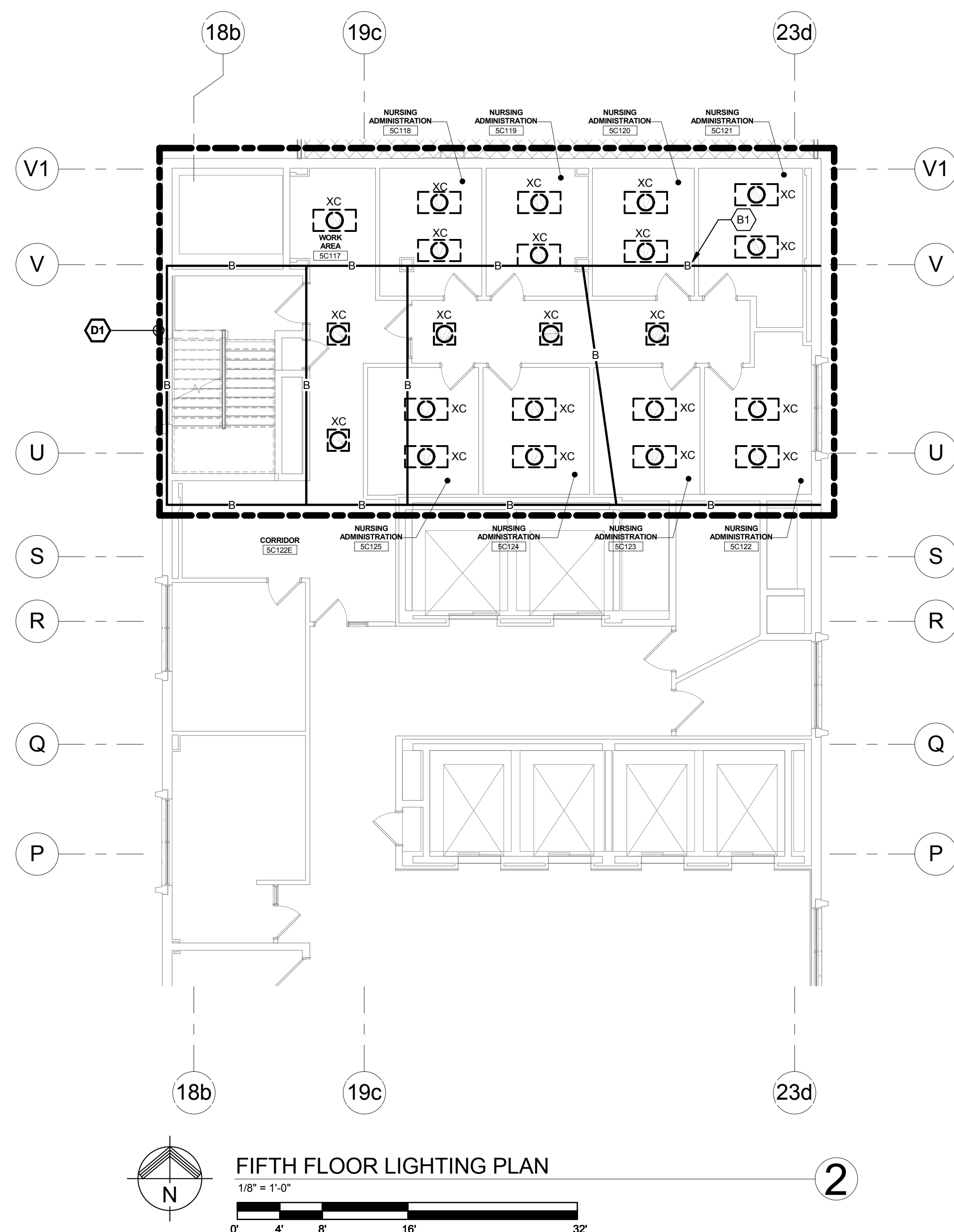
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ELECTRICAL DEMOLITION NOTES

01 ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SPECIAL SYSTEMS OUTLETS, CONDUIT, WIRING ETC. THAT WILL
02 NOT BE REUSED IN THE REMODELED INSTALLATION SHALL BE REMOVED UNLESS OTHERWISE NOTED. THIS
03 DEMOLITION SHALL BE COMPLETED PRIOR TO THE START OF THE REMODEL. THE CONTRACTOR SHALL NOT
04 "X" OR "RR" AND ALL OTHER ADDITIONAL ITEMS THAT ARE NOT SHOWN BUT THAT MUST BE REMOVED IN ORDER TO
05 PRODUCE A NEAT, FINISHED, PROPERLY FUNCTIONING ELECTRICAL INSTALLATION, MAINTAIN CIRCUIT CONTINUITY
06 AND MAINTAIN THE ELECTRICAL SYSTEM IN ACCORDANCE WITH ALL CODES AND WIRING REQUIREMENTS
07 TO ACHIEVE THE SAME. THE CONTRACTOR SHALL FIELD VERIFY THE NATURE AND EXTENT OF ALL DEMOLITION
08 WORK AND SHALL INCLUDE COST FOR THE SAME IN THE BID SUBMITTAL.

09 ALL EXISTING REMOVED ELECTRICAL EQUIPMENT, DEVICES, ETC. THAT ARE NOT RETAINED BY THE OWNER SHALL
10 BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR.

11 DASHED WALLS ON PLAN INDICATE EXISTING CONSTRUCTION TO BE REMOVED.

12 REFER TO ELECTRICAL LEGEND FOR ALL SYMBOL DESIGNATIONS. NOTE SPECIAL ATTENTION TO SELECTED
13 DEVICES, DEVICES TO BE REMOVED ARE MARKED XB, XRR OR XN, AND REMOVE/BLANK OFF, RELOCATION OR REPLACE
14 THESE COMPONENTS AS REQUIRED.

15 MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING ELECTRICAL SYSTEM COMPONENTS IN AREAS NOT BEING
16 REMODELED UNLESS OTHERWISE NOTED. PROVIDE ALL CONDUIT AND WIRING EXTENSIONS NECESSARY TO
17 ACHIEVE THE SAME.

18 THE ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE ALL ELECTRICAL DEMOLITION WORK WITH THE
19 GENERAL AND MECHANICAL CONTRACTORS, AND SHALL DISCONNECT ALL REQUIRED CIRCUITS IN A TIMELY MANNER.

ELECTRICAL CODED NOTES

A1 APPROXIMATE LOCATION OF NEW STRUCTURAL BEAMS AND REINFORCEMENTS. RELOCATE 100FT OF 3/4" POWER CONDUIT AND WIRING.

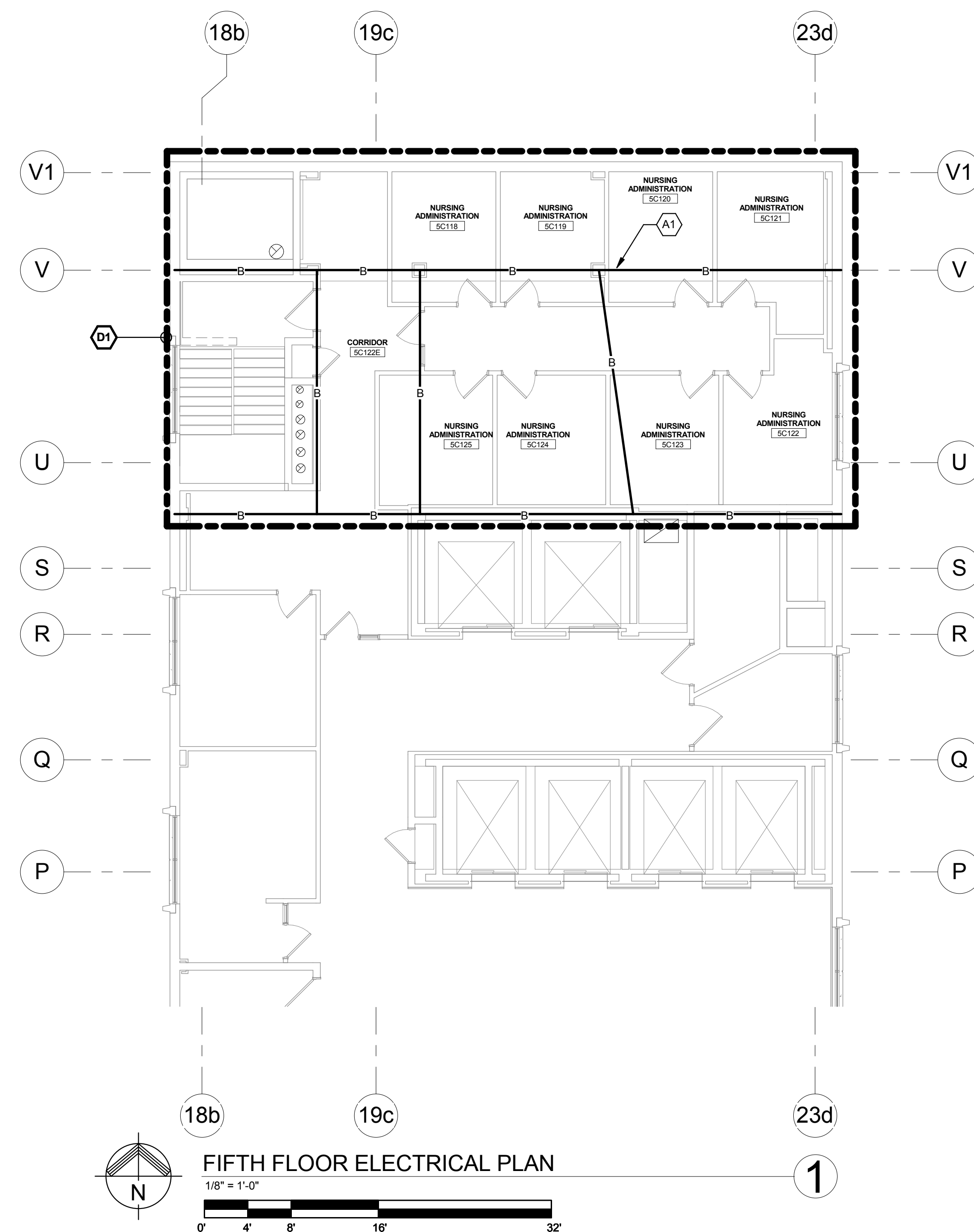
FIRE ALARM & SECURITY CODED NOTES

B1 APPROXIMATE LOCATION OF NEW STRUCTURAL BEAMS AND REINFORCEMENTS. RELOCATE 100FT OF 3/4" POWER CONDUIT AND WIRING.

DEDUCT ALTERNATE 2

UPON THE ACCEPTANCE OF DEDUCT ALTERNATE 2

D1 DELETE THE WORK ASSOCIATED WITH REINSTALLING CEILING MOUNTED DEVICES INCLUDING LIGHTING FIXTURES, SMOKE DETECTORS, WIRELESS ACCESS POINTS, PAGING SPEAKERS, ETC. FOLLOWING COMPLETION OF STRUCTURAL WORK.



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Drawing Title

FIFTH FLOOR ELECTRICAL, FIRE ALARM AND SECURITY PLAN

Approved:

Project Title

SCI OUTPATIENT CLINIC ADDITION

	Location

02/23/15

☐ Checked

MPL

Drawn

TWN

Project Number

541-CSI-102

Building Number

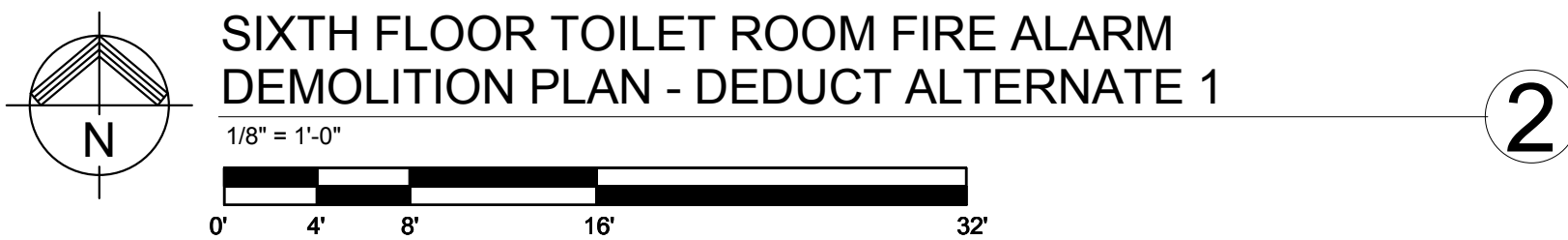
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11/11/2016

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ELECTRICAL DEMOLITION NOTES

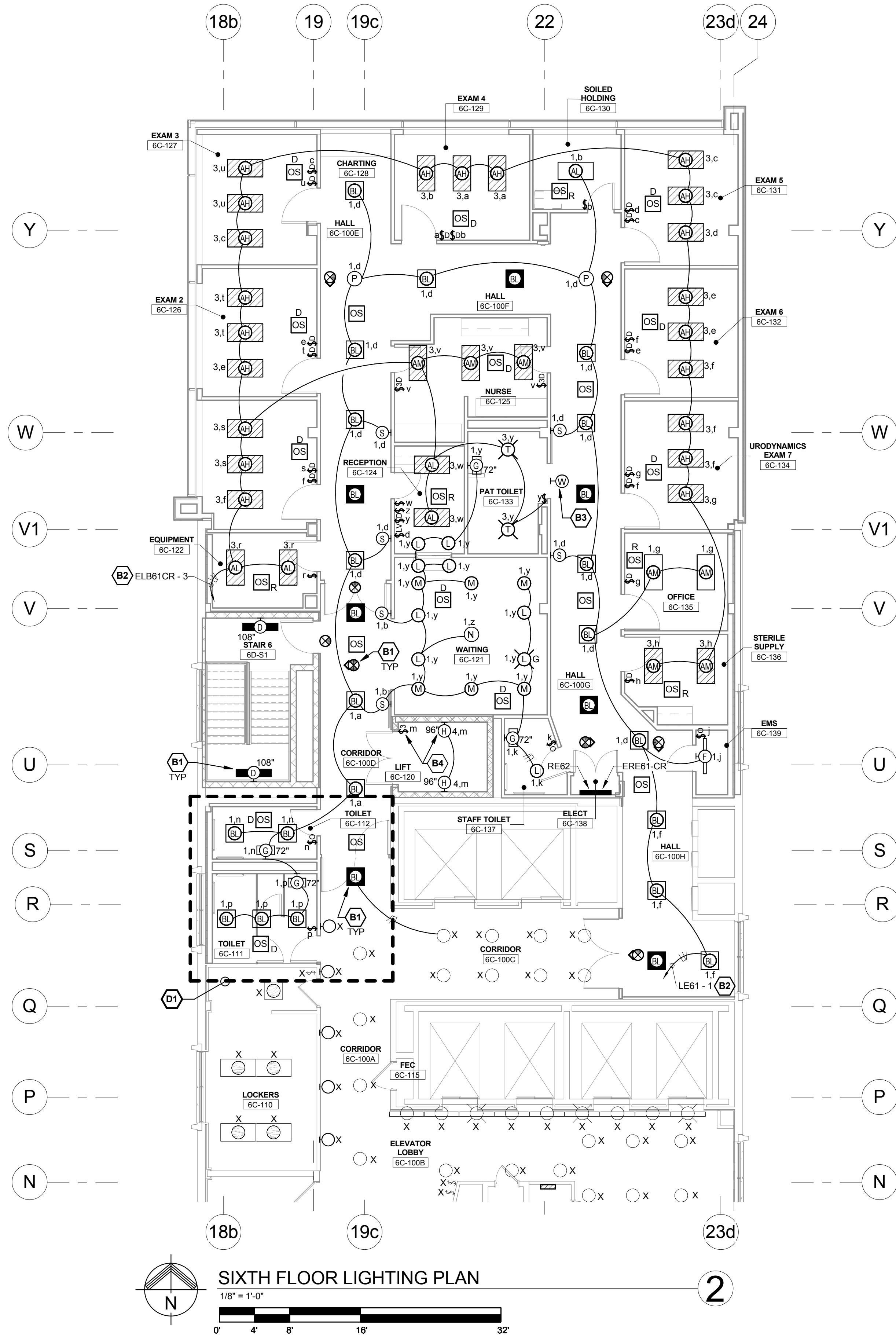
- D1 ALL EXISTING LIGHTEDURES, RECEPTABLES, SPECIAL SYSTEMS OUTLETS, CONDUIT, WIRING ETC. THAT WILL
NOT BE REUSED IN THE REMODELED INSTALLATION SHALL BE REMOVED UNLESS OTHERWISE NOTED. THIS
D2 SHALL INCLUDE REMOVAL OF ALL EXISTING ELECTRICAL PANELS, CIRCUIT BREAKERS, AND ALL "XN" OR
"XR" AND ALL OTHER ADDITIONAL ITEMS THAT ARE NOT SHOWN BUT THAT MUST BE REMOVED IN ORDER TO
PRODUCE A NEAT, FINISHED, PROPERLY FUNCTIONING ELECTRICAL INSTALLATION. MAINTAIN CIRCUIT CONTINUITY
D3 WHERE POSSIBLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE CONDUIT AND WIRING REQUIRED
TO ACHIEVE THE SAME. THE CONTRACTOR SHALL FIELD VERIFY THE NATURE AND EXTENT OF ALL DEMOLITION
WORK AND SHALL INCLUDE COST FOR THE SAME IN THE BID SUBMITTAL.
- D4 ALL EXISTING REMOVED ELECTRICAL, FIRE-ALARM DEVICES, ETC. THAT ARE NOT RETAINED BY THE OWNER SHALL
BE DISPOSED OF BY THE GENERAL CONTRACTOR.
- D5 DASHED WALLS ON PLAN INDICATE EXISTING CONSTRUCTION TO BE REMOVED.
- REFER TO ELECTRICAL LEGEND FOR ALL SYMBOL DESIGNATIONS. NOTE: SPECIAL ATTENTION TO SELECTED
EXISTING DEVICES (ELECTRIC, FIRE-ALARM, BELL, XR, OR XN, AND REMOVE/BLANK OFF, RELOCATION OR REPLACE
THESE COMPONENTS AS REQUIRED.
- D6 MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING ELECTRICAL AND WIRING COMPONENTS IN AREAS NOT BEING
REMOVED UNLESS OTHERWISE NOTED. PROVIDE ALL CONDUIT AND WIRING EXTENSIONS NECESSARY TO
ACHIEVE SAME.
- D7 THE ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE ALL ELECTRICAL, DEMOLITION WORK WITH THE
GENERAL AND MECHANICAL CONTRACTORS, AND SHALL DISCONNECT ALL REQUIRED CIRCUITS IN A TIMELY
MANNER.

DEDUCT ALTERNATE 1

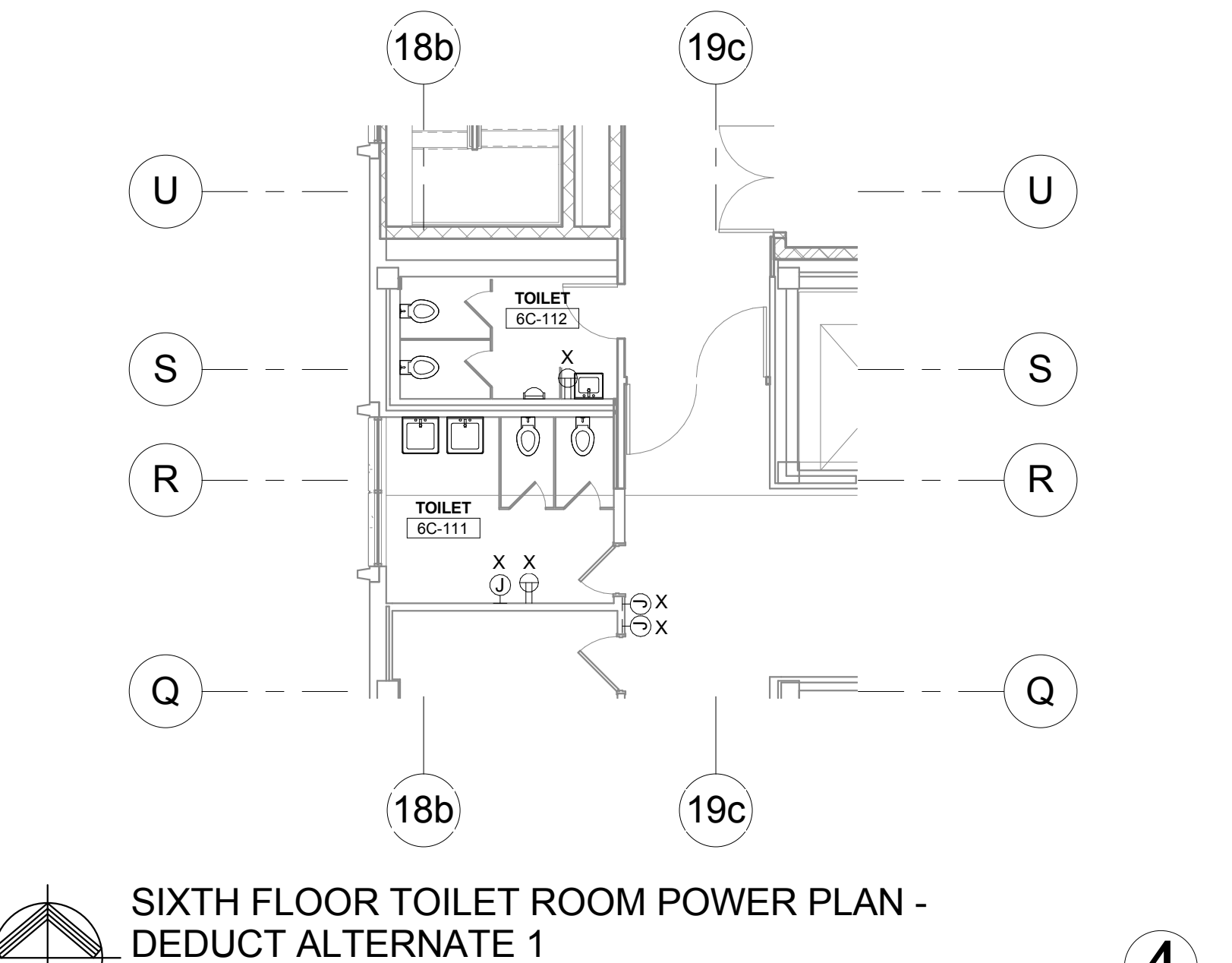
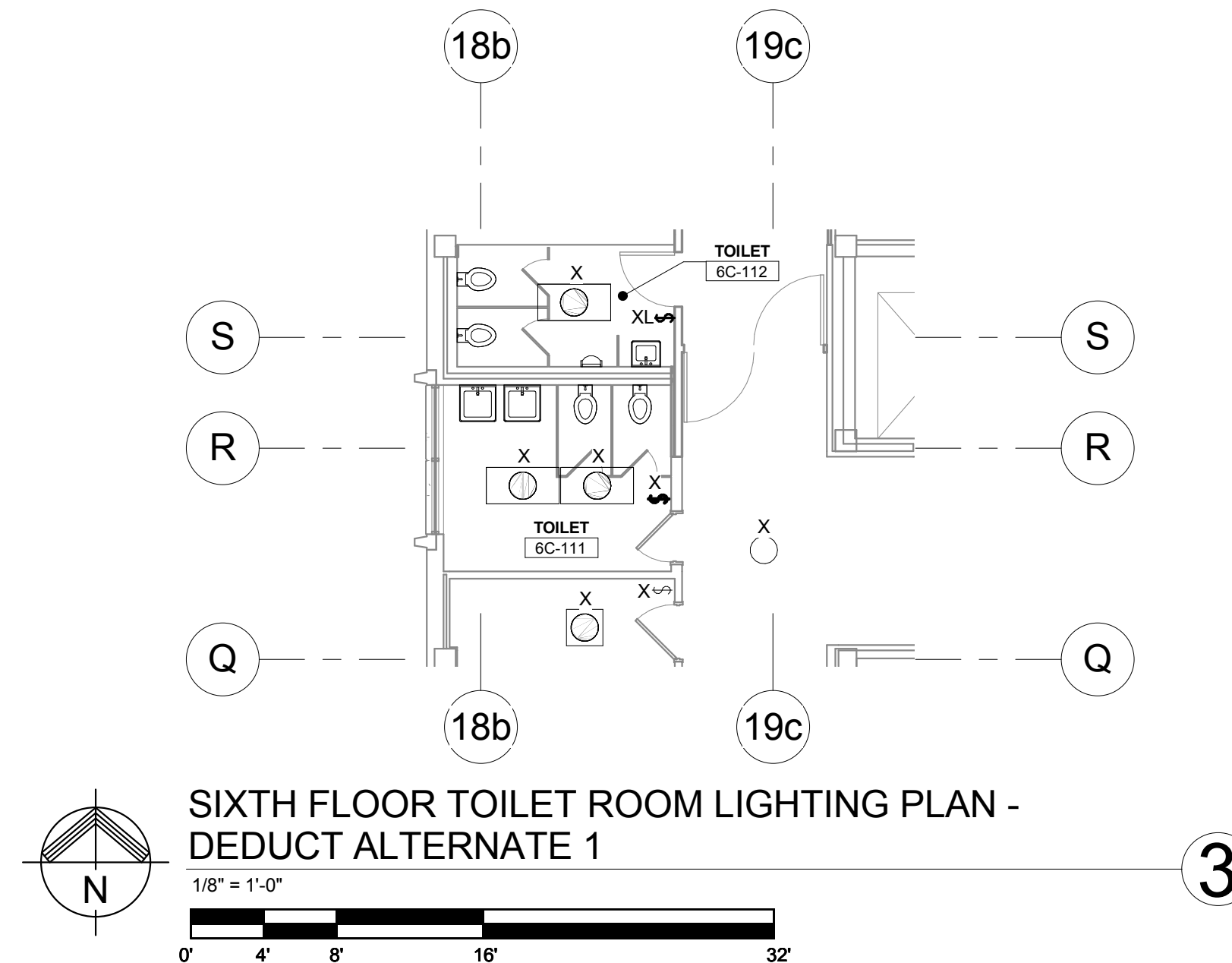
UPON THE ACCEPTANCE OF DEDUCT ALTERNATE 1:
COMPLETE WORK AS SHOWN IN "DEDUCT ALTERNATE 1" PLANS ON THIS DRAWING IN LIEU OF WORK IN OUTLINED AREA

[illegible]

three inches = one foot
one and one half inch = one foot
one inch = one foot
quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot



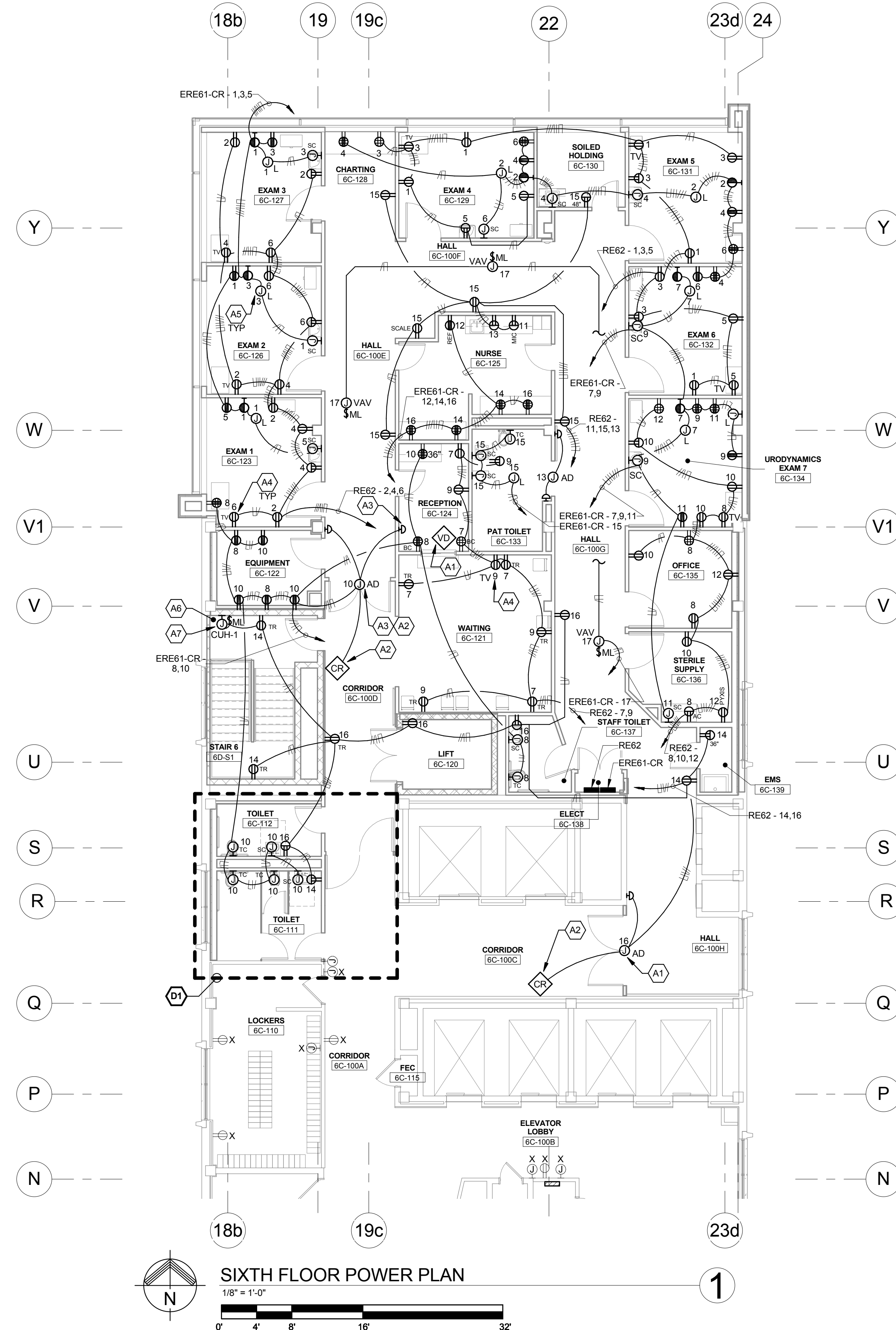
LIGHTING CODED NOTES	
(B1)	EXTEND UNSWITCHED CORRIDOR 277V EMERGENCY LIFE SAFETY CIRCUIT TO NEW LIFE SAFETY LIGHTING FIXTURES AND EXIT SIGNS. CONNECT ALL LIFE SAFETY FIXTURES VIA 3/4" - 2 #12 & 1 #12EC BRANCH CIRCUIT.
(B2)	REFER TO SIXTH FLOOR ELECTRICAL KEY PLAN FOR LOCATIONS OF PANELS.
(B3)	PROVIDE "IN-USE" WARNING SIGN MOUNTED ABOVE TOILET ROOM SLIDING DOORS. PROVIDE RELAY AND WIRING AS NECESSARY SUCH THAT THE LIGHT IS ON WHEN THE DOOR IS LOCKED. COORDINATE WITH AUTODOOR MANUFACTURER. UTILIZE SAME 120V CIRCUIT AS AUTODOOR.
(B4)	REFER E3.3 FOR COMPLETION OF LIGHTING CIRCUIT TO OTHER 3-WAY SWITCH.



LIGHTING GENERAL NOTES	
L1	REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR FINAL LOCATION OF ALL NEW CEILING MOUNTED LIGHTING FIXTURES. CLOSELY COORDINATE LOCATION OF LIGHTING FIXTURES AND SMOKE DETECTORS WITH HVAC DUCTS, SPRINKLERS, PLUMBING, ETC. AND ADJUST LOCATIONS OF SELECTED ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ENGINEER'S INSTRUCTIONS.
L2	REFER TO THE ARCHITECTURAL PLANS FOR EQUIPMENT LAYOUT. CLOSELY COORDINATE THE EXACT LOCATION OF ALL OUTLETS AND DEVICES WITH ARCHITECTURAL ELEVATIONS. ADJUST LOCATIONS AND MOUNTING HEIGHTS WHERE NECESSARY TO PREVENT INTERFERENCE WITH FURNITURE, FIXED CASEWORK, EQUIPMENT, ETC. VERIFY ALL CHANGES PRIOR TO ROUGH-IN.
L3	REFER TO ELECTRICAL DETAILS PLANS FOR OCCUPANCY SENSOR WIRING DIAGRAMS AND PROGRAM SCHEDULE FOR ADDITIONAL INFORMATION.
L4	A DEDICATED NEUTRAL SHALL BE PROVIDED FOR EACH AND EVERY 120V AND 277V BRANCH CIRCUIT. MULTIWIRE BRANCH CIRCUITS WITH SHARED NEUTRALS ARE NOT PERMITTED.
L5	NO MORE THAN (3) SINGLE-PHASE BRANCH CIRCUITS SHALL BE INSTALLED IN ANY ONE CONDUIT. DIFFERENT POWER SYSTEMS (NORMAL, CRITICAL, LIFE SAFETY) SHALL NOT BE INSTALLED IN THE SAME CONDUIT.

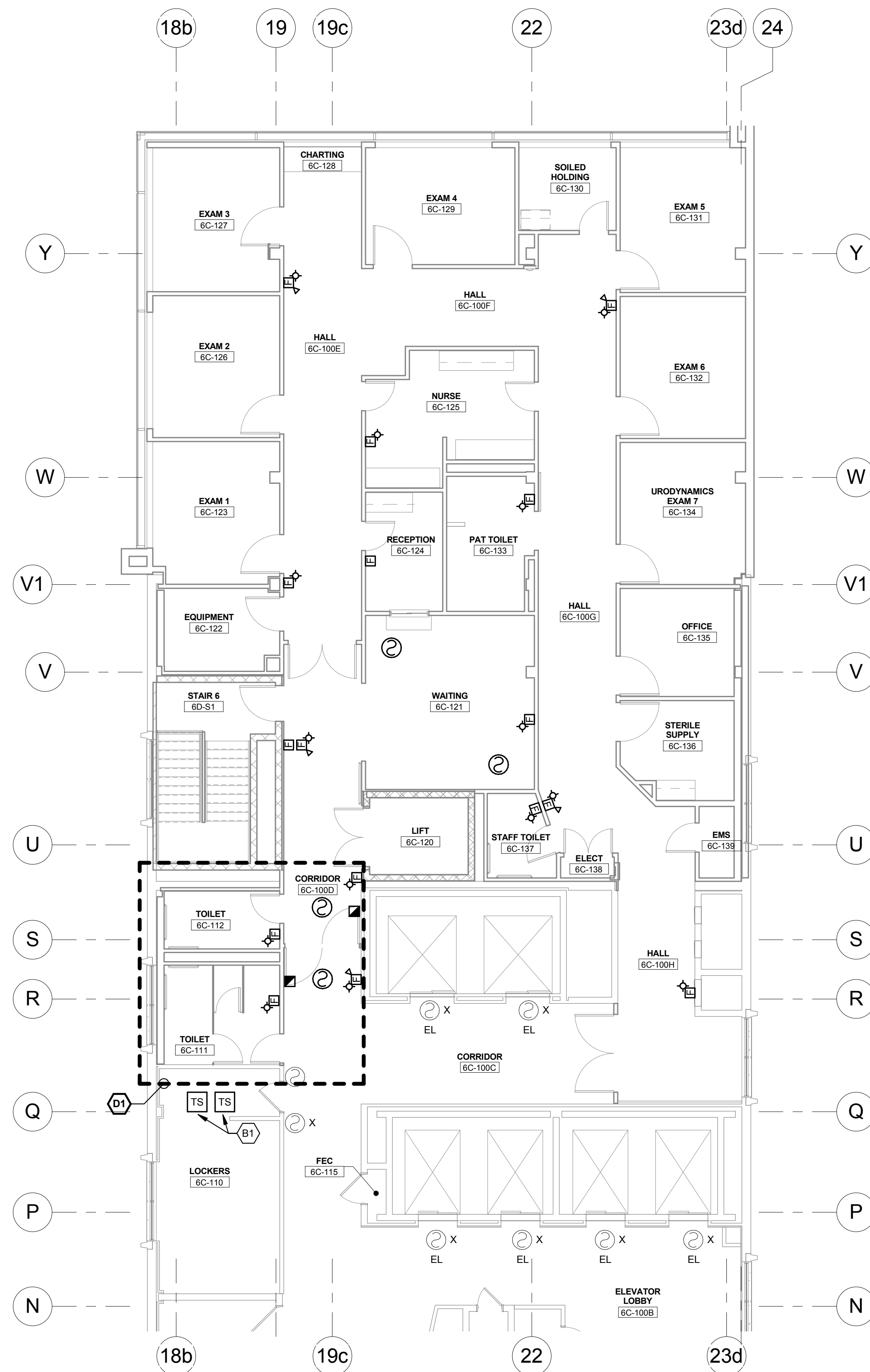
POWER GENERAL NOTES	
P1	REFER TO THE ARCHITECTURAL PLANS FOR EQUIPMENT LAYOUT. CLOSELY COORDINATE THE EXACT LOCATION OF ALL OUTLETS AND DEVICES WITH ARCHITECTURAL ELEVATIONS. ADJUST LOCATIONS AND MOUNTING HEIGHTS WHERE NECESSARY TO PREVENT INTERFERENCE WITH FURNITURE, FIXED CASEWORK, EQUIPMENT, ETC. VERIFY ALL CHANGES PRIOR TO ROUGH-IN.
P2	ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS, MOUNTING HEIGHTS, AND CONNECTION REQUIREMENTS (RECEPTACLES, SWITCHES, DISCONNECTS) WITH EQUIPMENT VENDOR PRIOR TO ROUGH-IN.
P3	A DEDICATED NEUTRAL SHALL BE PROVIDED FOR EACH AND EVERY 120V AND 277V BRANCH CIRCUIT. MULTIWIRE BRANCH CIRCUITS WITH SHARED NEUTRALS ARE NOT PERMITTED.
P4	PROVIDE #10 SIZE CONDUCTORS FOR 20A-120V CIRCUITS WITH DISTANCE LENGTHS THAT EXCEED 100 FT.

DEDUCT ALTERNATE 1	
UPON THE ACCEPTANCE OF DEDUCT ALTERNATE 1:	
(D1)	COMPLETE WORK AS SHOWN IN "DEDUCT ALTERNATE 1" PLANS ON THIS DRAWING IN LIEU OF WORK IN OUTLINED AREA

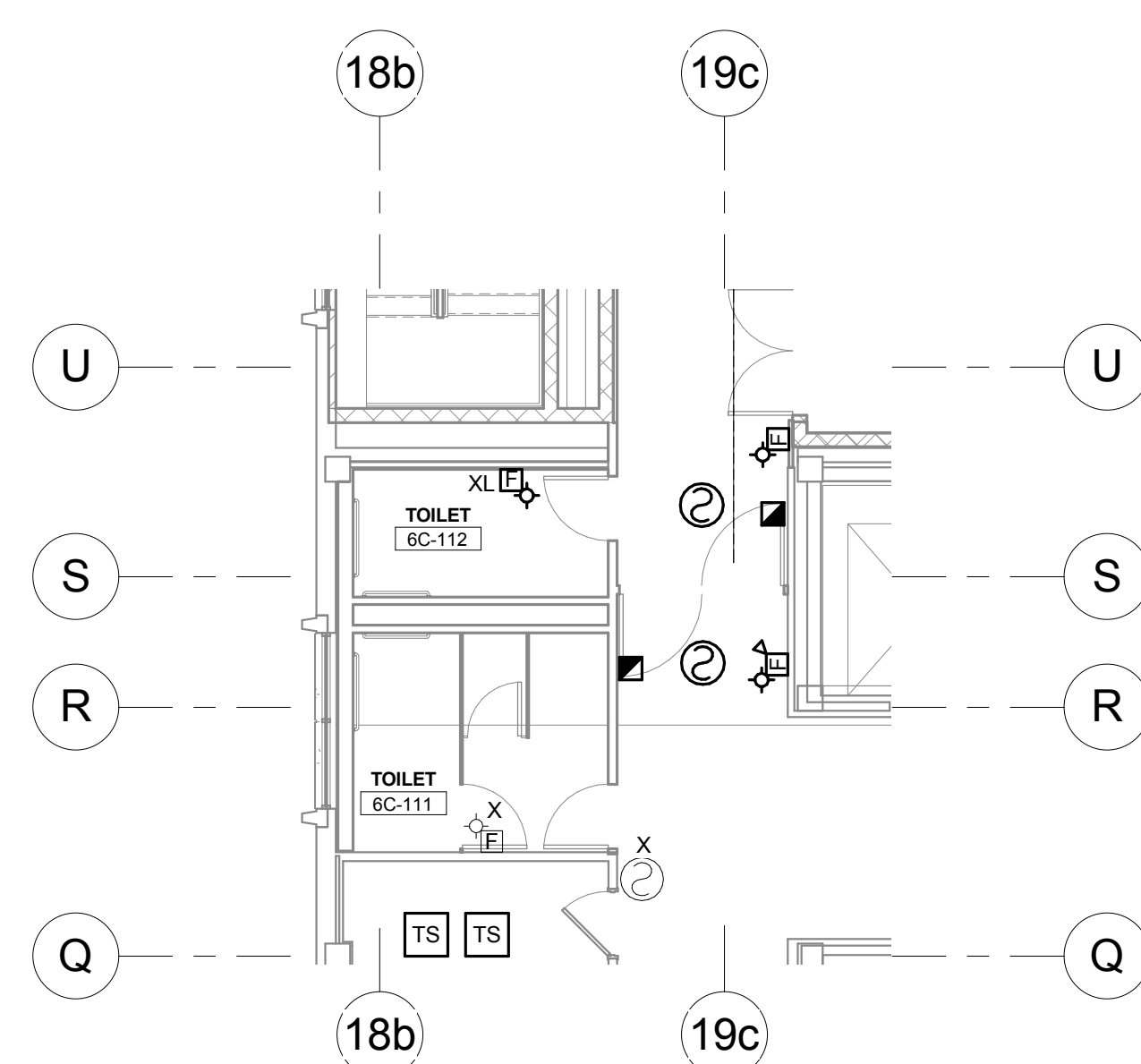


POWER CODED NOTES	
(A1)	PROVIDE ALL NECESSARY PROGRAMMING, LV CABLING, ETC. TO INTERFACE STENTAFON IP DESKTOP STATION TO AUTODOOR CONTROLLER AND LENEL SYSTEM SO THAT STENTAFON STATION CAN RELEASE/OPEN DOOR.
(A2)	PROVIDE INTERFACE OF LENEL SYSTEM WITH AUTODOOR CONTROLLER TO RELEASE/OPEN DOOR UPON CARD READER SCAN.
(A3)	PROVIDE REMOTE BUTTON AT RECEPTION DESK TO INTERFACE WITH LENEL SYSTEM AND AUTODOOR CONTROLLER AND RELEASE/OPEN DOOR UPON PRESSING.
(A4)	COORDINATE LOCATION OF TV OUTLET WITH COR PRIOR TO ROUGH-IN.
(A5)	PROVIDE 120V EMERGENCY CRITICAL CIRCUIT MOUNTED ADJACENT TO PATIENT LIFT POWER SUPPLY. PROVIDE LOW-VOLTAGE WIRING FROM POWER SUPPLY TO PATIENT LIFT RAILS PER MANUFACTURER'S REQUIREMENTS.
(A6)	NO CONDUITS, CABLES, ETC. SHALL BE ROUTED THROUGH STAIRWELLS EXCEPT AS PERMITTED BY NFPA 101:7.1.3.2.1(10).
(A7)	CONNECT CIRCUIT INDICATED TO CABINET UNIT HEATER IN STAIRWELL.

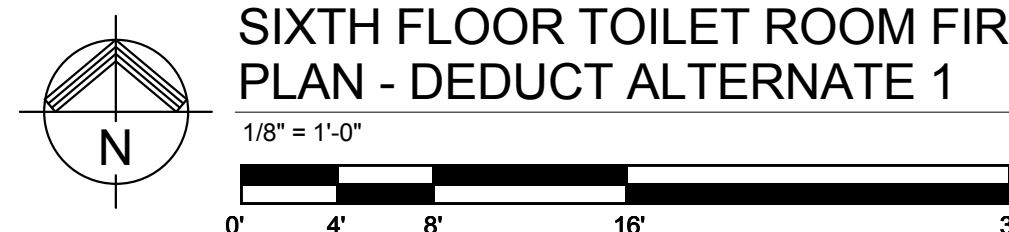
CONSULTANTS:		ARCHITECT:		Drawing Title		Project Title		Project Number		Office of Facilities Management Department of Veterans Affairs	
 FREDRICK, FREDRICK & HELLER ENGINEERS, INC. 673 EAST ROYALTON ROAD BROADVIEW HTS. OHIO 44147 TEL: (440) 946-9999 FAX: (440) 946-9999		 Perspectus 13212 Shaker Square Suite 204 Cleveland, Ohio 44120 P. 216.752.1800		SIXTH FLOOR LIGHTING AND POWER PLAN		SCI OUTPATIENT CLINIC ADDITION		541-CSI-102			
 BARBERHOFFMAN, INC. Consulting Engineers 2217 East 9th Street, Suite 350 Cleveland, OH 44115-1257 216-875-0100 / (F) 216-875-0111 barberhoffman.com				Approved:		Location VAMC - WADE PARK		Building Number 1			
BID ISSUE Revisions:		02/23/15 Date		Date 02/23/15		Checked MPL		Drawn TWM			



FIRE ALARM CODED NOTES	
B1	COORDINATE EXACT LOCATION OF TAMPER AND FLOW SWITCHES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.



SIXTH FLOOR TOILET ROOM FIRE ALARM
PLAN - DEDUCT ALTERNATE 1



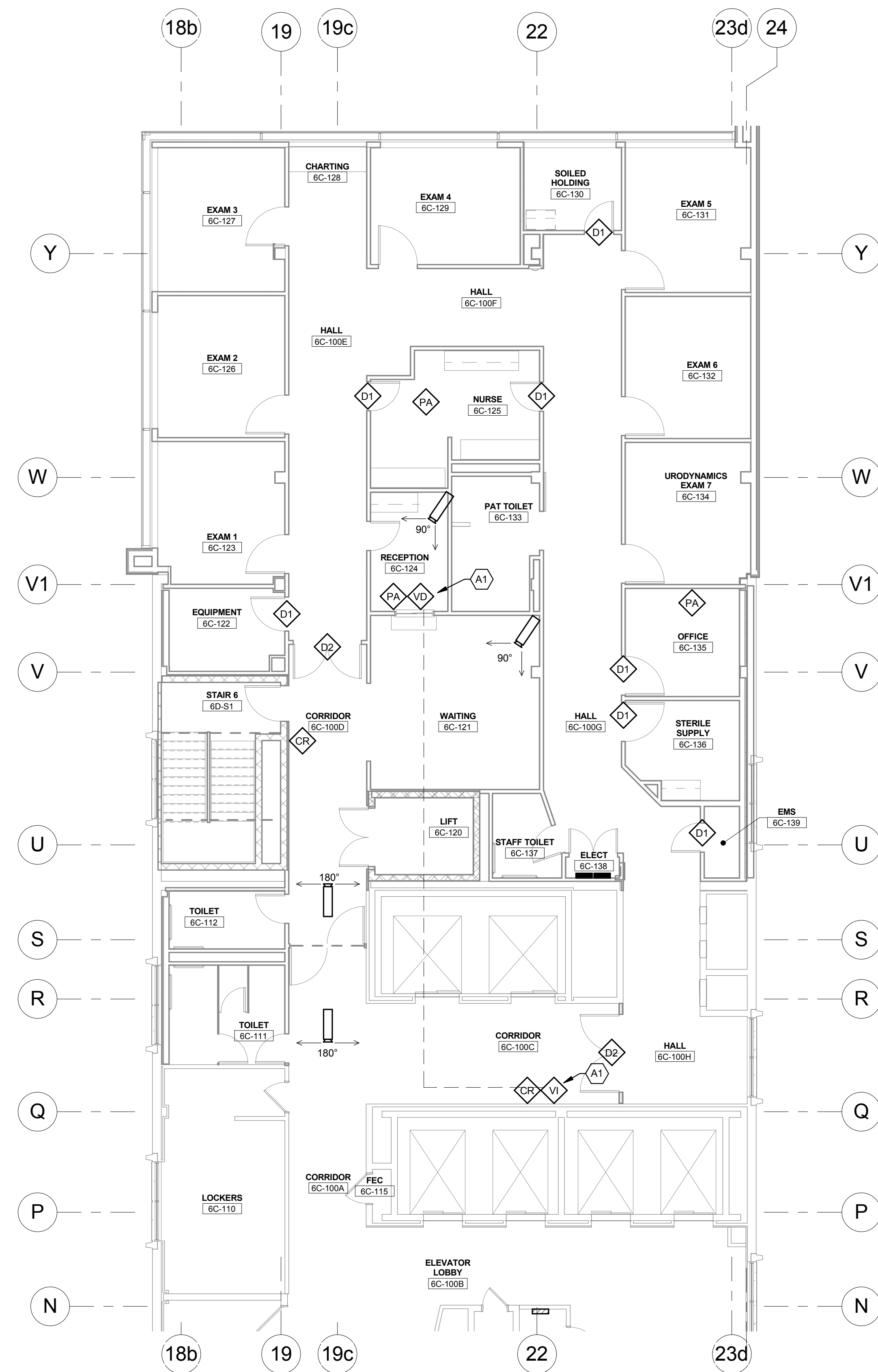
FIRE ALARM GENERAL NOTES

- F1. ALL FIRE ALARM SYSTEM DEVICES SHALL BE CONNECTED COMPLETE TO THE MAIN FIRE ALARM SYSTEM CONTROL PANEL IN ACCORDANCE WITH ENGINEER APPROVED MANUFACTURER'S SHOP DRAWING WIRING AND DETAIL.
- F2. ALL FIRE ALARM SYSTEM CONDUCTORS SHALL BE INSTALLED IN ¾" MINIMUM SIZE CONDUIT SYSTEM. IN GENERAL ALL MANUAL PULL STATIONS SHALL BE INSTALLED AT 48" ABOVE FINISHED FLOOR. MANUAL PULL STATIONS SHALL BE INSTALLED WITHIN 5'-0" OF EACH EXISTING DOORWAY OPENING AT EACH ENTRANCE TO EACH BUILDING. ADDITIONAL MANUAL PULL STATIONS SHALL BE PROVIDED SO THAT THE TRAVEL DISTANCE TO THE NEAREST PULL STATION WILL NOT EXCEED 200 FEET MEASURED HORIZONTALLY ON THE SAME FLOOR.
- F3. VISUAL DEVICES FOR THE FIRE ALARM SYSTEM SHALL BE INSTALLED AS FOLLOWS:
- A. VISUAL DEVICES SHALL BE MOUNTED ABOUT 7'8" ABOVE FINISHED FLOOR. VISUAL DEVICES SHALL BE LOCATED NOT MORE THAN 15' FROM THE END OF ALL CORRIDORS WITH A SEPARATION NOT GREATER THAN 6' BETWEEN DEVICES.
 - B. VISUAL DEVICES SHALL BE INSTALLED WHERE REQUIRED BY CODE TO MEET MINIMUM DECIBEL LEVELS REQUIRED BY CODE. COMBINATION AUDIOVISUAL DEVICES AND ADDITIONAL VISUAL DEVICES MAY BE USED IF THEY ARE INSTALLED IN ACCORDANCE WITH CODE REQUIREMENTS.
- F4. IN GENERAL SMOKE DETECTORS SHALL BE INSTALLED ON CEILINGS WITH SPACING NOT TO EXCEED MANUFACTURER'S RECOMMENDATION.
- F5. SPRINKLER SYSTEM WATERFLOW ALARM INITIATING DEVICES SHALL BE CONNECTED COMPLETE TO THE MAIN FIRE ALARM SYSTEM.
- F6. DUCT TYPE SMOKE DETECTORS SHALL BE PROVIDED FOR ALL HVAC RETURN AIR SYSTEMS WITH DESIGN CAPACITY GREATER THAN 2,000 CFM. WHERE RETURN AIR RISERS SERVE TWO OR MORE STORES, AND AIR HANDLING EQUIPMENT RETURNS AIR FROM MULTIPLE STORES, ONE SMOKE DETECTOR PER RISE OR RUN SHALL BE PROVIDED AT EACH STORY. COORDINATE EXIST DETECTOR LOCATIONS AND PROVIDION OF EXISTING DUCT WORK WITH NEW INSTALLATIONS.
- F7. PROVIDE ALL FIRE ALARM SYSTEM COMPONENTS NECESSARY FOR SHUT DOWN OF HVAC EQUIPMENT BY THE FIRE ALARM SYSTEM WHERE SAME IS REQUIRED.
- F8. PROVIDE ALL FIRE ALARM SYSTEM COMPONENTS NECESSARY FOR ELEVATOR CAPTURE BY THE FIRE ALARM SYSTEM WHERE SUCH IS REQUIRED.
- F9. SMOKE DETECTORS SHALL BE INSTALLED WITHIN 5'-0" OF CENTERLINE OF SMOKE DOORS ON HOLD-OPEN.
- F10. SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 3'-0" FROM AN AIR SUPPLY DIFFUSER.
- F11. PROVIDE AUTOMATICALLY OPERATING DOOR CLOSURES AT EACH EXISTING ENTRY POINT WHERE A GLASS PART INTERRUPTS 120V POWER FOR THE AUTOMATIC DOOR OPENER UNDER A FIRE ALARM CONDITION. PROVIDE 1" CONTINUOUS MODULR FROM EACH BUILDING FIRE ALARM SYSTEM IF LOCATED ALONG THE BORDER OF THE BUILDING.

DEDUCT ALTERNATE 1

UPON THE ACCEPTANCE OF DEDUCT ALTERNATE 1:

COMPLETE WORK AS SHOWN IN "DEDUCT ALTERNATE 1" PLANS ON THIS DRAWING IN LIEU OF WORK IN OUTLINED AREA



SIXTH FLOOR SECURITY PLAN



	SECURITY CODED
	REFER TO SECURITY DETAILS FOR ADDITIONAL INFORMATION.

BID ISSUE	02/23/15
Revisions:	Date

CONSULTANTS:



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Drawing Title

**SIXTH FLOOR FIRE ALARM AND
SECURITY PLAN**

Approved:

Project Title	SCI OUTPATIENT CLINIC ADDITION
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Location	VAMC - WADE PARK
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Date
02/23/15

Checked	MPL
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Drawn
TWM

Project Number	541-CSI-102
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Building Number
1

	Drawing Number
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1-E3.2

**Office of
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Management**



GENERAL FIRE ALARM SYSTEM NOTES:

F1. ALL FIRE ALARM SYSTEM DEVICES SHALL BE CONNECTED COMPLETE TO THE MAIN FIRE ALARM SYSTEM CONTROL PANEL IN ACCORDANCE WITH ENGINEER APPROVED MANUFACTURER'S SHOP DRAWING WIRING DIAGRAMS AND DETAILS.

F2. ALL FIRE ALARM SYSTEM CONDUCTORS SHALL BE INSTALLED IN 3/4" MINIMUM SIZE CONDUIT SYSTEM.

F3. COORDINATE FIRE ALARM ZONES WITH SMOKE COMPARTMENTS AND SPRINKLER ZONES. STROBES SHALL ACTIVATE ONLY IN THE ZONE OF ALARM ORIGIN. PROVIDE ONE SPEAKER CIRCUIT PER SMOKE ZONE.

F4. CONTRACTOR SHALL CONNECT ALL NEW FIRE ALARM DEVICES IN THIS PROJECT TO (1) ADDRESSABLE POWER EXTENDER OUTPUT CIRCUIT OR (1) DIGITAL AUDIO AMPLIFIER OUTPUT CIRCUIT.

FIRE ALARM RISER CODED NOTES:

1 FIRE ALARM CONTROL PANEL:
EXISTING NOTIFIER OYNX SERIES NFS-3030 IN BASEMENT D22 ELECTRONICS SHOP.

2 NOTIFICATION APPLIANCE CIRCUIT EXTENDER (NACX):
COMPONENTS IN A NOTIFIER SYSTEM CABINET TO PROVIDE NAC's FOR LOCAL DEVICES IN THE AREAS OUTLINED ON THE FIRE ALARM PLANS.

A. ADDRESSABLE POWER EXTENDER

1. COMPATIBLE WITH NOTIFIER 3030
2. MINIMUM (4) OUTPUT CIRCUITS (STROBE #1, STROBE #2, STROBE #3, DOOR HOLDER)
3. BATTERY CHARGER
4. STROBE SYNCHRONIZATION
5. (2)24H BATTERIES

B. DIGITAL AUDIO AMPLIFIER

1. COMPATIBLE WITH NOTIFIER DVC
2. (4) AUDIO OUTPUTS
3. 75 WATT TOTAL POWER OUTPUT
4. (2)24H BATTERIES

3 FIRE ALARM TERMINAL CABINET (FATC):
18" SQ X 4" D BOX & HINGED COVER FOR TERMINATION OF F.A. WIRING.

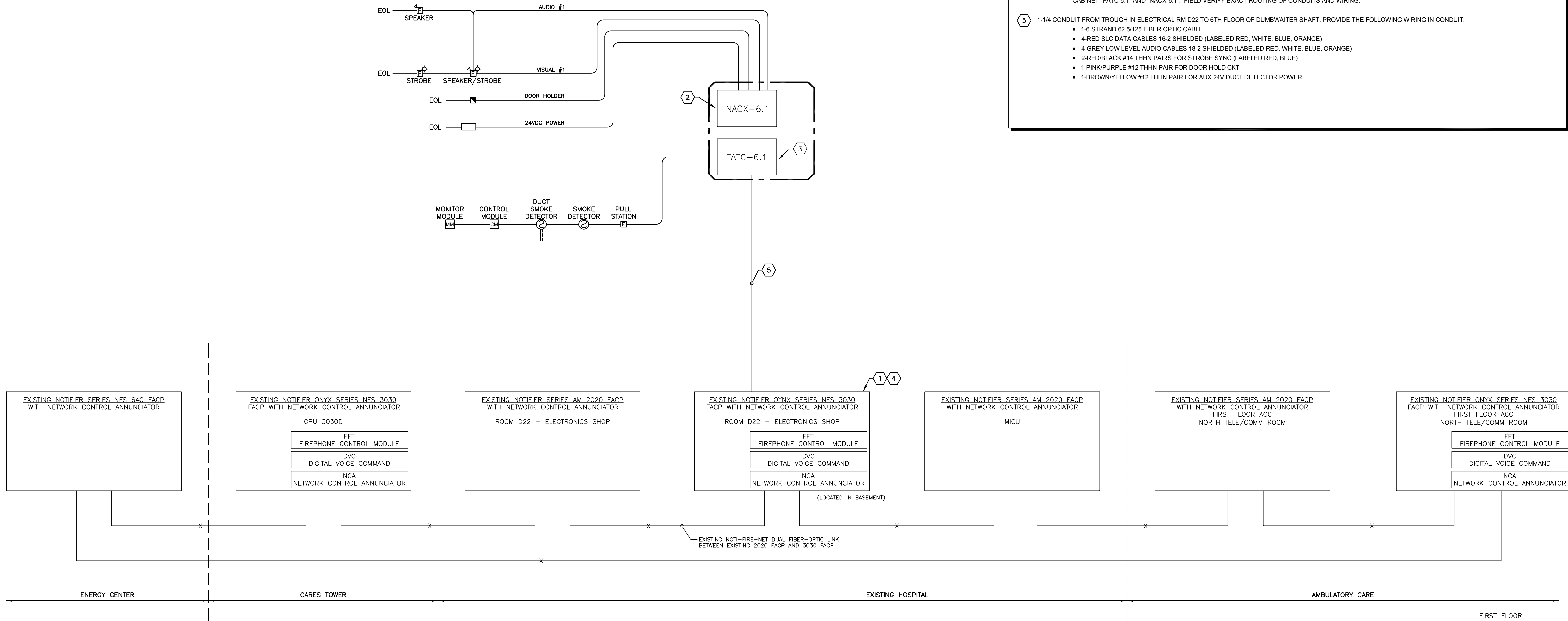
1. EMT KNOCKOUTS (1/2", 3/4", 1", 1-1/4")
2. PROVIDE (2)16 POINT TERMINAL STRIPS RATED FOR 20 AMP MAX 250B (CLASS B/U/L), 300V(CSA)
3. TERMINATE ALL F.A. WIRING (INCLUDING SHIELDS)
4. TAG WIRING AT BOTH ENDS (FACP & FATC) WITH FATC AND CIRCUIT INFORMATION.
EXAMPLES: "FATC-1.3" "FATC-1.3"
"SLC #1" "STROBE #1"

4 NOTIFIER SYSTEM VENDOR SHALL PROVIDE ALL ADDITIONAL COMPONENTS, SOFTWARE, ETC NECESSARY TO EXTEND THE EXISTING NOTIFIER FIRE ALARM SYSTEM AND SATISFY THE GENERAL SCOPE OF THIS PROJECT WHICH IS TO:

1. MAINTAIN EXISTING FIRE ALARM DEVICES OUTSIDE OF PROJECT AREA. REMOVE EXISTING DEVICES IN THE PROJECT AREA AS INDICATED FROM THE EXISTING NOTIFIER SERIES 2020 FACP.
2. PROVIDE NEW FIRE ALARM DEVICES AT PROJECT AREA AND CONNECT TO EXISTING NOTIFIER SERIES NFS 3030 FACP VIA NEW FIRE ALARM TERMINAL CABINET "FATC-6.1" AND "NACX-6.1". FIELD VERIFY EXACT ROUTING OF CONDUITS AND WIRING.

5 1-1/4" CONDUIT FROM TROUGH IN ELECTRICAL RM D22 TO 6TH FLOOR OF DUMBWAITER SHAFT. PROVIDE THE FOLLOWING WIRING IN CONDUIT:

- 1-6 STRAND 62.5/125 FIBER OPTIC CABLE
- 4-RED SLC DATA CABLES 16-2 SHIELDED (LABELED RED, WHITE, BLUE, ORANGE)
- 4-GREY LOW LEVEL AUDIO CABLES 18-2 SHIELDED (LABELED RED, WHITE, BLUE, ORANGE)
- 2-RED/BLACK #14 THHN PAIRS FOR STROBE SYNC (LABELED RED, BLUE)
- 1-PINK/PURPLE #12 THHN PAIR FOR DOOR-HOLD OUT
- 1-BROWN/YELLOW #12 THHN PAIR FOR AUX 24V DUCT DETECTOR POWER.



CONSULTANTS:		ARCHITECT:		Drawing Title FIRE ALARM RISER AND DETAILS		Project Title SCI OUTPATIENT CLINIC ADDITION		Project Number 541-CSI-102		Office of Facilities Management Department of Veterans Affairs					
 FREDRICK, FREDRICK & HELLER ENGINEERS, INC. 672 EAST ROYALTON ROAD BROADVIEW HILLS, OHIO 44147 TEL: (440) 346-9898 FAX: (440) 346-9899		 1100 West 9th Street Cleveland, OH 44113-1003 216-875-0100/ (F) 216-875-0111 barberhoffman.com		 13212 Shaker Square Suite 204 Cleveland, Ohio 44120 P. 216.752.1800 F. 216.752.3833		Approved:		Location VAMC - WADE PARK				Building Number 1			
BID ISSUE Revisions:		Date 02/23/15				Date 02/23/15		Checked MPL		Drawn TWM		Drawing Number 1-E4.1		Dwg. of	

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

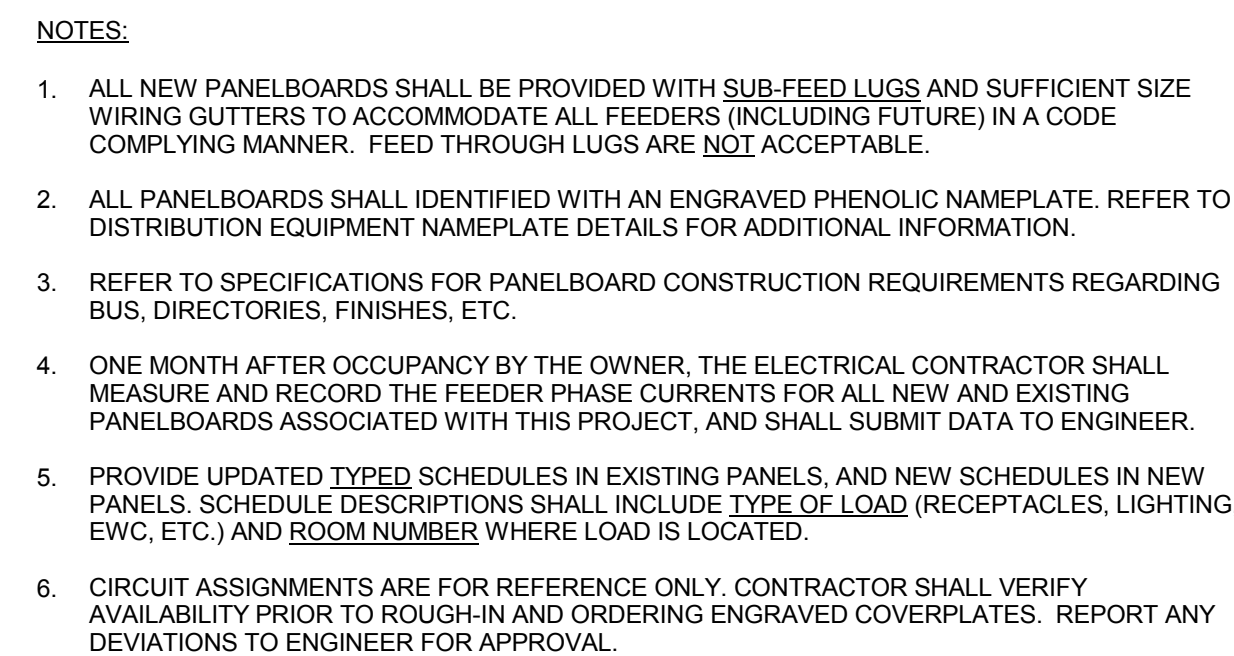
one half inch = one foot

three eighths inch = one foot

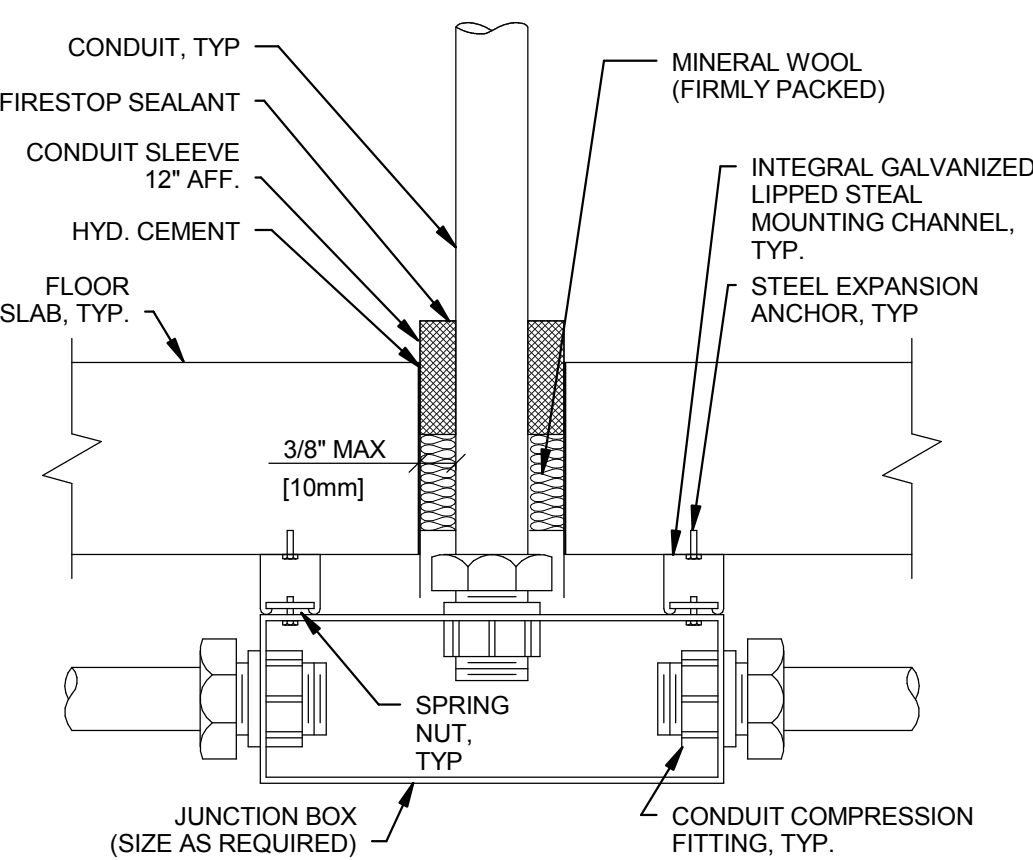
one quarter inch = one foot

one eighth inch = one foot

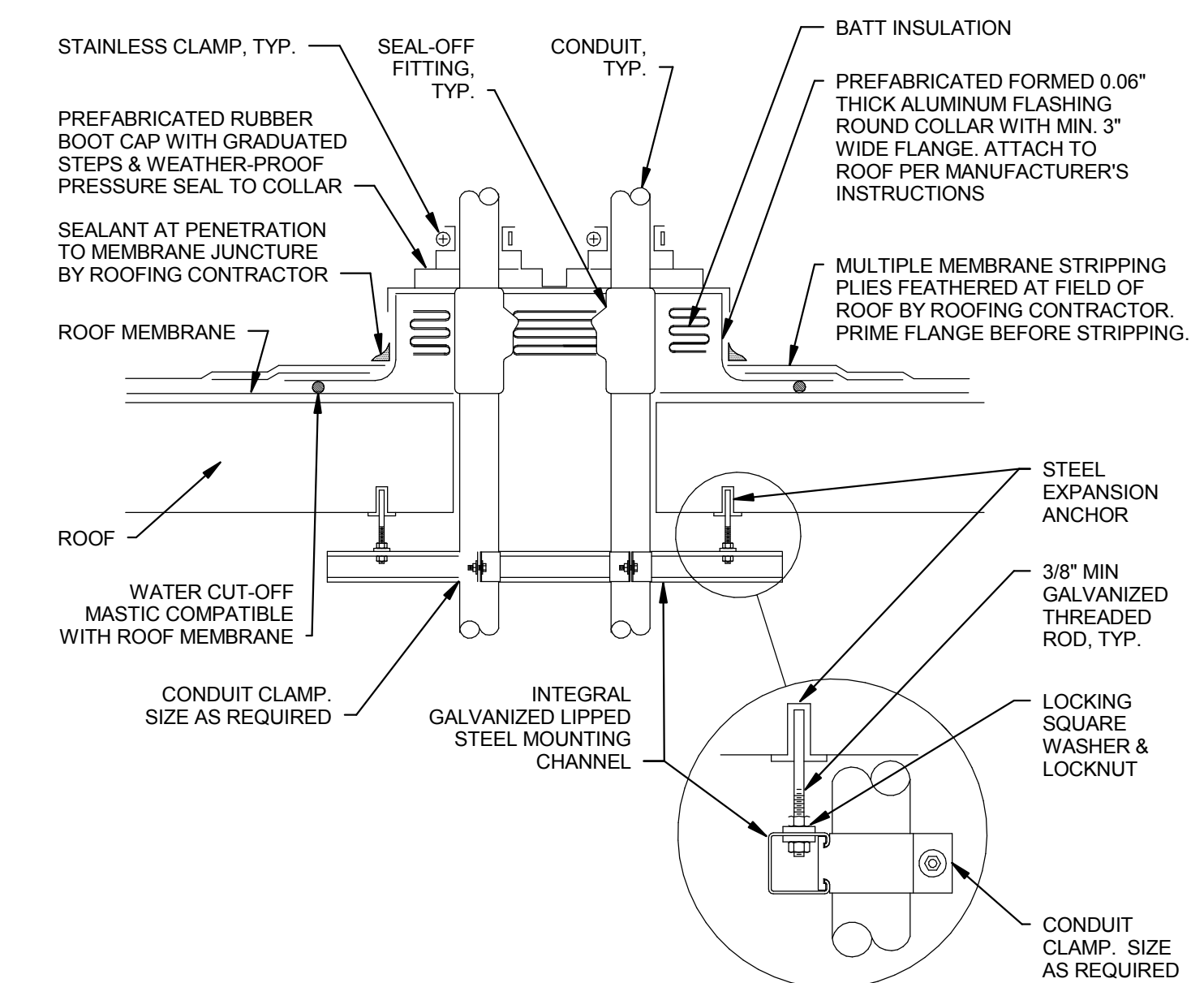
CONSULTANTS:		ARCHITECT:		Drawing Title		Project Title		Project Number		Office of Facilities Management Department of Veterans Affairs	
 FREDRICK, FREDRICK & HELLER ENGINEERS, INC. 672 EAST ROYALTON ROAD BROADVIEW HILLS, OHIO 44147 TEL: (440) 546-8936 FAX: (440) 546-8939		 PERSPECTUS architecture 13212 Shaker Square Suite 204 Cleveland, Ohio 44120 P. 216.752.1800 F. 216.752.3833		POWER DISTRIBUTION ONE-LINE DIAGRAM		SCI OUTPATIENT CLINIC ADDITION		541-CSI-102			
BID ISSUE 02/23/15				Approved:		Location VAMC - WADE PARK		Building Number 1			
Revisions: Date		14011				Date 02/23/15		Checked MPL			
								Dwg. of			



PANELBOARD CONSTRUCTION DETAIL

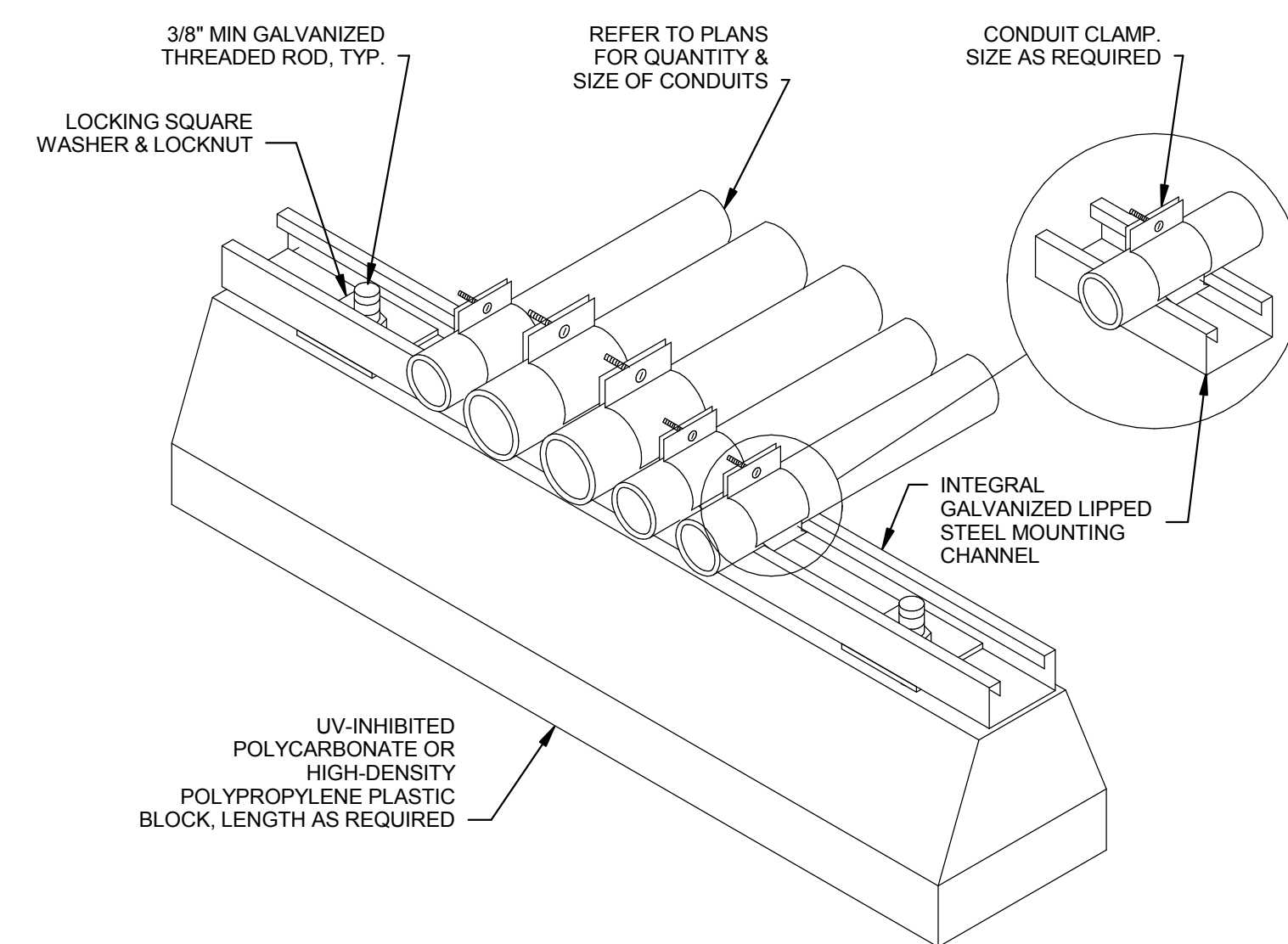


FLOOR PENETRATION DETAIL

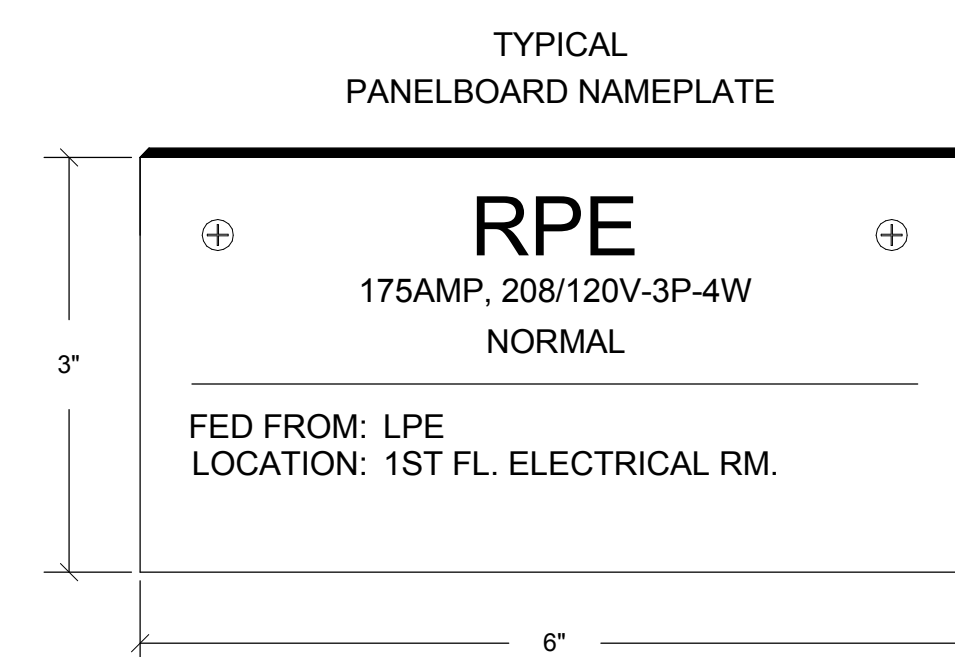


ROOF PENETRATION DETAIL

NOT TO SCALE



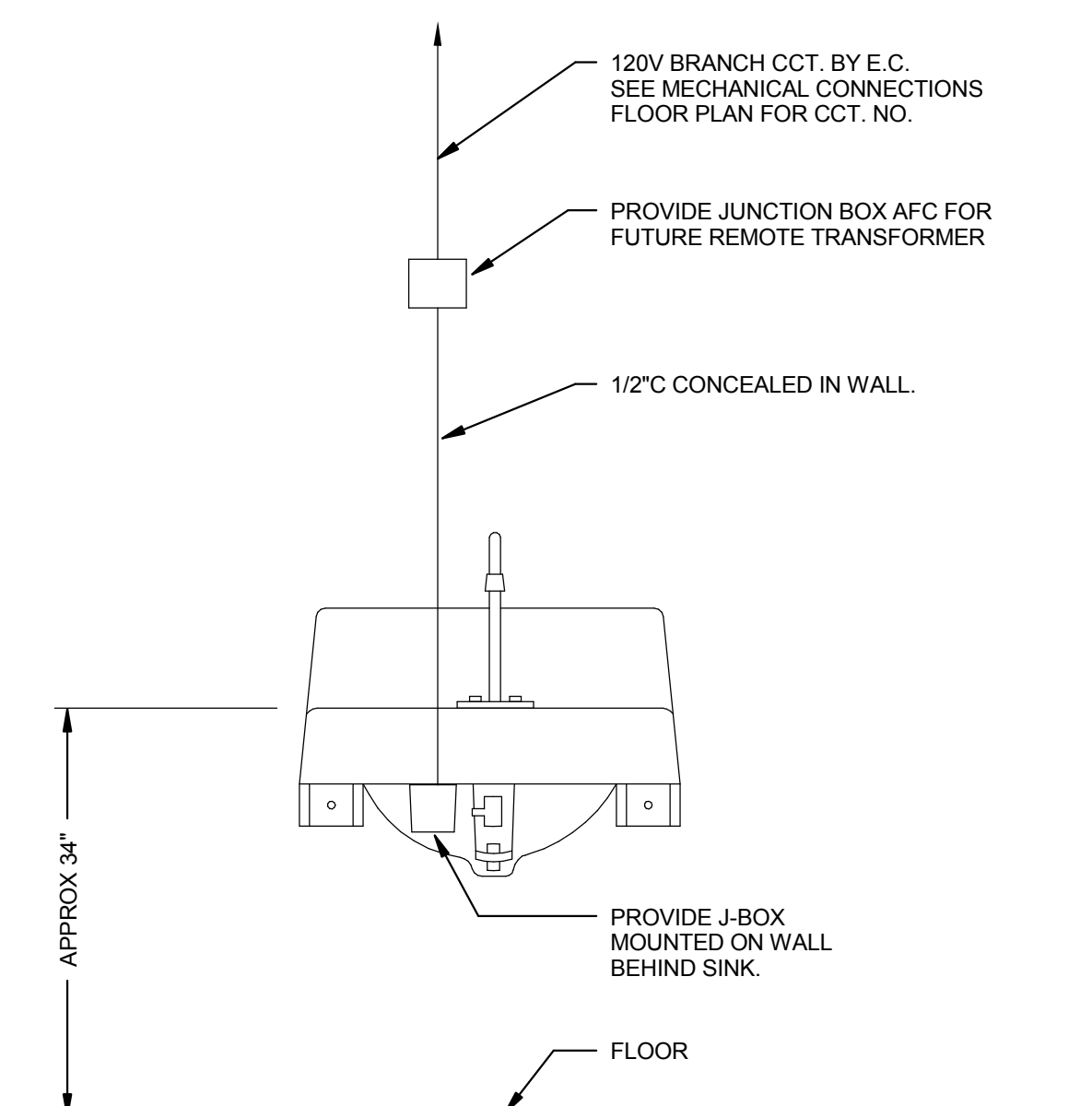
ROOF CONDUIT SUPPORT DETAIL



NAMEPLATE REQUIREMENTS:

1. PROVIDE AN IDENTIFICATION SIGN WHICH CLEARLY INDICATES ELECTRICAL SYSTEM INFORMATION FOR PANELBOARDS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, AUTOMATIC TRANSFER SWITCHES
2. PROVIDE ENGRAVED 1/2" (MIN.) LETTERING ON PHENOLIC NAMEPLATE WITH THE FOLLOWING COLOR FORMAT:
 - A. 208/120 VOLTS (NORMAL) - GREEN BACKGROUND, WHITE LETTERS
 - B. 480/277 VOLTS (NORMAL) - BLACK BACKGROUND, WHITE LETTERS
 - C. 208/120 VOLTS (EMERG.) - WHITE BACKGROUND, RED LETTERS
 - D. 480/277 VOLTS (EMERG.) - RED BACKGROUND, WHITE LETTERS
3. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

DISTRIBUTION
EQUIPMENT NAMEPLATE DETAIL
NOT TO SCALE

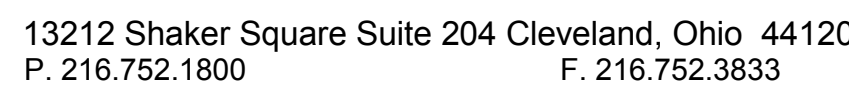
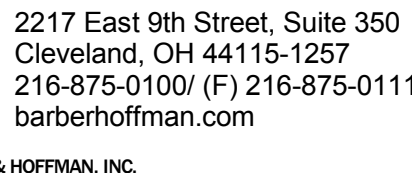
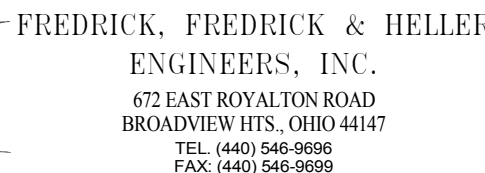


ELECTRONIC SINK CONTROL ROUGH-IN WIRING DETAIL

[illegible]



CONSULTANTS:



Drawing Title

SECURITY DETAILS

 Department of
Veterans Affairs

TELECOMMUNICATIONS LEGEND

TELECOMMUNICATIONS OUTLET "TCO" - MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED. REFER TO TELECOMMUNICATIONS OUTLET DETAILS ON SUBSEQUENT DRAWING FOR REQUIREMENTS.

PATIENT MONITORING OUTLET - WALL MOUNTED, COORDINATE WITH MONITOR MOUNTING BRACKET. REFER TO PATIENT MONITORING OUTLET DETAILS ON SUBSEQUENT DRAWING FOR REQUIREMENTS.

TELECOMMUNICATIONS OUTLET "TCO" - CEILING MOUNTED. REFER TO TELECOMMUNICATIONS OUTLET DETAILS ON SUBSEQUENT DRAWING FOR REQUIREMENTS.

TELEPHONE OUTLET- MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED.

TELECOMMUNICATIONS OUTLET "TCO" - ROUGH-IN ONLY (BACKBOX AND CONDUIT STUBBED TO ABOVE FINISHED CEILING).

WIRELESS ACCESS OUTLET - 2-PORT SURFACE MOUNTED DATA BOX MOUNTED ABOVE FINISHED CEILING. WIRELESS ACCESS POINTS ARE PROVIDED BY OWNER.

12"W x 4"D (MINIMUM SIZE) CABLE TRAY WIRE MANAGEMENT SYSTEM. MOUNTED ABOVE ACCESSIBLE CEILING. COORDINATE LOCATION WITH OTHER TRADES. MAINTAIN 6" WORKING CLEARANCE ABOVE AND BELOW CABLE TRAY AT ALL LOCATIONS.

TELECOMMUNICATION CONNECTION WALL BOX FOR PRE-WIRED FURNITURE - 4" SQ. JUNCTION BOX MOUNTED AT 18" AFF FOR TELECOMMUNICATIONS CONNECTION TO TCO'S IN FURNITURE. VERIFY THE QUANTITY OF TCO CABLES REQUIRED FOR FURNITURE. OWNER SHALL TERMINATE ALL TCO CABLES.

TELECOMMUNICATIONS SYSTEM NOTES:
T1. REFER TO TECHNOLOGY DETAILS FOR ADDITIONAL INFORMATION.
T2. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
T3. CONTRACTOR SHALL PROVIDE DEVICES, CABLING, TESTING, AND TERMINATIONS. TEST COMPLETE INSTALLATION IN ACCORDANCE WITH VA STANDARDS AND SPECIFICATIONS.

NURSE CALL SYSTEM LEGEND

POWER OVER ETHERNET SWITCH - HILL-ROM AUDIO/VISUAL, RACK MOUNTED ENCLOSURE 1U (HILL-ROM #P2519NNC1A24). REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

STAFF CONSOLE STATION - LCD CONSOLE WITH DIGITAL DISPLAY, TONE AND TWO-WAY VOICE, WALL MOUNTED (HILL-ROM #PC2500NNC1A00). MOUNT CONSOLE AT 54" AFF INTO 4"SQ. x 3 1/2" MIN. DEPTH BOX FITTED WITH 1-GANG RAISED PLASTER RING.

TELEVISION INTERFACE - 1/4" RECEPTACLE MOUNTED IN COMMON MULTIMEDIA FACEPLATE WITH BROADBAND CATV OUTLET FOR PATIENT BED TELEVISION. MOUNT AT 72" AFF.

EQUIPMENT RECEPTACLE - SINGLE STATION WITH CALL CANCEL CABLE DISCONNECT BUTTON AND EQUIPMENT JACK (HILL-ROM #P2516A01) - MOUNTED AT INTO 4"SQ. x 2 1/2" MIN. DEPTH BOX FITTED WITH 1-GANG RAISED PLASTER RING.

AUDIO STATION BED CONNECTOR - SINGLE STATION WITH CALL CANCEL CABLE DISCONNECT BUTTON AND EQUIPMENT JACK (HILL-ROM #P2516A01) - MOUNTED AT INTO 4"SQ. x 2 1/2" MIN. DEPTH BOX FITTED WITH 1-GANG RAISED PLASTER RING.

PATIENT STATION - GRAPHICAL ROOM STATION WITH CODE BLUE, DISPLAY AND INFRA-RED BUTTONS (HILL-ROM #P2594NNC2A11) - MOUNTED AT 48" AFF IN 3-GANG x 3 1/2" D BACKBOX WITH 3-GANG RAISED PLASTER RING.

STAFF STATION - STANDARD ROOM STATION WITH CODE BLUE AND INFRA-RED BUTTONS (HILL-ROM #P2594NNC2A00) - MOUNTED AT 48" AFF IN 3-GANG x 3 1/2" D BACKBOX WITH 3-GANG RAISED PLASTER RING.

STAFF STATION - GRAPHICAL ROOM STATION, DISPLAY AND INFRA-RED BUTTONS (HILL-ROM #P2594NNC2A00) - MOUNTED AT 48" AFF IN 3-GANG x 3 1/2" D BACKBOX WITH 3-GANG RAISED PLASTER RING.

STAFF STATION - GRAPHICAL ROOM STATION WITH CODE BLUE, DISPLAY AND INFRA-RED BUTTONS (HILL-ROM #P2594NNC2A00) - MOUNTED AT 48" AFF IN 3-GANG x 3 1/2" D BACKBOX WITH 3-GANG RAISED PLASTER RING.

TOILET STATION WITH PULLCORD - NYLON PULL-CORD, LED INDICATOR, CANCEL BUTTON, WATER-RESISTANT (HILL-ROM #P2520B01) - MOUNTED AT 42" AFF AT TOILETS INTO 4"SQ. x 2 1/2" MIN. DEPTH BOX FITTED WITH 1-GANG RAISED PLASTER RING.

SHOWER STATION WITH PULLCORD - NYLON PULL-CORD, LED INDICATOR, CANCEL BUTTON, WATER-RESISTANT (HILL-ROM #P2520B01) - MOUNTED AT 48" AFF AT SHOWERS INTO 4"SQ. x 2 1/2" MIN. DEPTH BOX FITTED WITH 1-GANG RAISED PLASTER RING.

ROOM CONTROL BOARD - REMOTE SWITCHES, CONNECT ALL ROOM DEVICES TO ROOM CONTROL BOARD. CONNECT ROOM CONTROL BOARD BACK TO POWER OVER ETHERNET SWITCH (HILL-ROM #P2599NNC1A00) - MOUNTED ABOVE CEILING IN 12"x12"x4"D JUNCTION BOX.

REMOTE LOCATOR RECEIVER - RECEIVERS STAFF BADGE SIGNAL WITH IR SIGNAL SENSORS (HILL-ROM #P2540B02) - MOUNTED AT CEILING LEVEL INTO 4"SQ. x 2 1/2" MIN. DEPTH BOX FITTED WITH 2-GANG RAISED PLASTER RING.

DOME LIGHT - 6-LED TYPE CEILING MOUNTED INTO 4"SQ. x 2 1/2" MIN. DEPTH BOX FITTED WITH 1-GANG RAISED PLASTER RING (HILL-ROM #P2506NNC8A00).

DOME LIGHT - 1-LED TYPE CEILING MOUNTED INTO 4"SQ. x 2 1/2" MIN. DEPTH BOX FITTED WITH 1-GANG RAISED PLASTER RING (HILL-ROM #P2506NNC1A00).

NURSE CALL SYSTEM NOTES:
N1. SEE TECHNOLOGY DETAILS FOR NURSE CALL SYSTEM RISER DIAGRAMS.
N2. MOUNT DEVICES AT MOUNTING HEIGHTS LISTED ABOVE UNLESS OTHERWISE NOTED ON THE FLOOR PLANS. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECTURAL ELEVATIONS.
N3. CONTRACTOR SHALL VERIFY ALL BACKBOX SIZES WITH VA COR AND MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO ROUGH-IN.
N4. NURSE CALL SYSTEM ROUGH-INS, CONDUIT, EQUIPMENT, CABLING AND PULLWIRE SHALL BE PROVIDED BY CONTRACTOR.
N5. ALL NURSE CALL SYSTEM CONDUCTORS SHALL BE INSTALLED IN 3/4" MINIMUM SIZE COMPLETE CONDUIT SYSTEM TO ROOM CONTROLLER BOARD ABOVE CEILING AND THEN IN CABLE TRAY AND J-HOOKS TO NURSE CALL SWITCH AS INDICATED ON SHOP DRAWINGS PREPARED BY MANUFACTURER. PROVIDE ALL CONDUIT NECESSARY FOR NURSE CALL DEVICES SHOWN ON PLANS IN ACCORDANCE WITH WIRING DIAGRAMS AS PREPARED BY MANUFACTURER. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

LOW VOLTAGE SYSTEM LEGEND

MASTER ANTENNA TELEVISION OUTLET (MATV) - CEILING MOUNTED OR WALL MOUNTED AT 12" BFC UNLESS OTHERWISE NOTED. PROVIDE 2 GANG FLUSH BOX WITH 1 GANG RAISED COVER WITH 1" CONDUIT TO ABOVE FINISHED CEILING - STUB AND BUSH. PROVIDE NEW MATV OUTLET TO MATCH EXISTING TYPE AND INSTALL (1) RG-6 COAX CABLE PER OUTLET TO EXISTING NETWORK CABLE TAP. CONNECT EACH CABLE AT OUTLET AND AT NETWORK CABLE TAP. SUPPORT CABLES USING J-HOOKS 3'-0" ON CENTER OR EXISTING CABLE TRAY, WHERE AVAILABLE. TEST COMPLETE INSTALLATION IN ACCORDANCE WITH VA STANDARDS. COORDINATE WORK WITH VA ENGINEERING DEPARTMENT.

CABLE TV DISTRIBUTION AMPLIFIER (MATCH EXISTING FACILITY TYPE) - WALL MOUNTED, CONNECT TO 120V-1Ø DUPLEX RECEPTACLE.

PUBLIC ADDRESS SPEAKER - CEILING MOUNTED.

LOW VOLTAGE SYSTEM NOTES:
L1. REFER TO TECHNOLOGY DETAILS FOR ADDITIONAL INFORMATION.
L2. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
L3. INTERCOM STATIONS SYSTEM EQUIPMENT AND WIRING SHALL BE PROVIDED BY CONTRACTOR. CONTRACTOR SHALL VERIFY ALL BACKBOX SIZES WITH VA COTR AND MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO ROUGH-IN.
L4. MOUNT DEVICES AT MOUNTING HEIGHTS LISTED ABOVE UNLESS OTHERWISE NOTED ON THE FLOOR PLANS. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECTURAL ELEVATIONS.

SECURITY SYSTEM LEGEND

LENEL SECURITY CONTROL PANEL. REFER TO SECURITY SYSTEM RISER AND DETAILS FOR ADDITIONAL INFORMATION AND WORK REQUIREMENTS

SECURITY SYSTEM NOTES:
S1. PROVIDE MINIMUM SIZE BACKBOX AS REQUIRED FOR ALL OF THE ABOVE SECURITY DEVICES AND INSTALL IN 1/2" MINIMUM COMPLETE CONDUIT SYSTEM TO JUNCTION BOX ABOVE FINISHED CEILING. REFER TO THE "ACCESS-CONTROLLED DOOR DETAIL" ON THE TECHNOLOGY DETAILS DRAWING FOR ADDITIONAL INFORMATION.
S2. REFER TO SPECIFICATIONS DIVISION 28 FOR FURTHER DETAILS REGARDING THE SECURITY SYSTEM.
S3. MOUNT DEVICES AT MOUNTING HEIGHTS LISTED ABOVE UNLESS OTHERWISE NOTED ON THE FLOOR PLANS. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECTURAL ELEVATIONS.
S4. SECURITY SYSTEM CONDUIT AND NECESSARY SYSTEM WIRING SHALL BE PROVIDED BY CONTRACTOR. SECURITY SYSTEM EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY OWNER.
S5. CONTRACTOR SHALL VERIFY ALL BACKBOX SIZES WITH VA COTR AND MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO ROUGH-IN.
S6. FURNISH, INSTALL AND CONNECT ALL SECURITY DEVICES IN ACCORDANCE WITH LENEL SYSTEM PROVIDER. PROVIDE ALL ADDITIONAL LENEL COMPONENTS AS NECESSARY FOR A COMPLETE SYSTEM. SUBMIT ALL LENEL DEVICES WITH SHOP DRAWINGS SUBMITTAL.

GENERAL LEGEND

CODED NOTE - "1" INDICATES NOTE NUMBER.

MECHANICAL EQUIPMENT IDENTIFIER

DETAIL REFERENCE - "1" INDICATES DETAIL NUMBER, "1-E01" INDICATED DRAWINGS NUMBER.

COLUMN GRID

REVISION REFERENCE NUMBER

GENERAL TECHNOLOGY INSTALLATION NOTES:

1. ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE UNLESS OTHERWISE NOTED.

2. ALL NEW WALL MOUNTED TECHNOLOGY DEVICES ARE TO BE INSTALLED FLUSH IN WALL UNLESS OTHERWISE NOTED. ALL CONDUIT SHALL BE CONCEALED BEHIND FINISHED WALLS AND ABOVE FINISHED CEILING UNLESS OTHERWISE NOTED. THE COST TO CUT AND PATCH WALLS SHALL BE THE RESPONSIBILITY OF THE TRADE REQUIRING THE CUTTING.

3. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS REQUIRED FOR ELECTRICAL WORK. CONTRACTOR SHALL REPLACE ANY DAMAGED CEILING TILES.

4. PRIOR TO INSTALLATION, VERIFY PRECISE LOCATION OF NEW OR RELOCATED WALL OR CEILING MOUNTED DEVICES WITH ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS.

5. COORDINATE ALL SHUT-DOWNS OF EXISTING ELECTRICAL SYSTEMS WITH OWNER A MINIMUM OF FOURTEEN (14) WORKING DAYS IN ADVANCE. ALL SHUT-DOWNS SHALL OCCUR DURING WEEKENDS OR BETWEEN 8:00PM AND 7:00AM ON WEEKDAYS ("OFF-HOURS"). INCLUDE ALL PREMIUM TIME CHARGES IN BID.

6. ALL NOISE GENERATING OPERATIONS, INCLUDING CUTTING OF CEILINGS, WALLS AND FLOORS, CORING, DRILLING, ETC. SHALL BE SCHEDULED DURING WEEKENDS OR BETWEEN 8:00PM AND 7:00AM ON WEEKDAYS ("OFF-HOURS").

7. CONTRACTOR SHALL CONNECT ALL MECHANICAL EQUIPMENT COMPLETE PER MANUFACTURER'S WIRING DIAGRAMS AND INSTRUCTIONS. COORDINATE WITH MECHANICAL CONTRACTOR AND VERIFY LOCATION, VOLTAGE, AMPS, NO. OF WIRES, AND PROTECTION REQUIREMENTS PRIOR TO ROUGH-IN. CONTACT ENGINEER WITH ANY DISCREPANCIES FROM DESIGN DRAWINGS.

8. PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT FOR FINAL CONNECTION TO MECHANICAL EQUIPMENT OR OTHER EQUIPMENT WHICH MAY PROPAGATE VIBRATION.

9. ALL FLUORESCENT LAMPS THAT WILL NOT BE REUSED SHALL BE DISPOSED OF IN ACCORDANCE WITH EPA STANDARDS, AND WRITTEN EVIDENCE OF PROPER DISPOSAL SHALL BE INCLUDED IN THE BID SUBMITTAL.

10. ALL WORK SHALL BE PERFORMED IN STRICT CONFORMANCE WITH THE PHASING REQUIREMENTS OF THE PROJECT. ALL COSTS ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID SUBMITTAL.

11. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY LIGHTING TO ADEQUATELY LIGHT ALL CONSTRUCTION AREAS, TEMPORARILY PARTITIONED AREAS, AND EXIT CORRIDORS MAINTAINED DURING CONSTRUCTION.

12. DEFINITION: "PROVIDE" - FURNISH, INSTALL AND CONNECT COMPLETE.

13. PROJECT AND PHASING SCOPE LINES INDICATE WHERE GENERAL CONSTRUCTION BOUNDARIES OCCUR. ELECTRICAL WORK AND UTILITY TIE-INS MAY OCCUR OUTSIDE OF SCOPE LINES.

ABBREVIATIONS			
AC	ABOVE COUNTER AT 9" UNLESS OTHERWISE NOTED	AFC	ABOVE FINISHED CEILING
AF	AMP FRAME	AT	AMP TRIP
AFF	ABOVE FINISHED FLOOR	ATS	AUTOMATIC TRANSFER SWITCH
CM	CEILING MOUNTED	COR	CONTRACTING OFFICER'S REPRESENTATIVE
EC	ELECTRICAL CONTRACTOR	EG	EQUIPMENT GROUND
EOL	END OF LINE	EWC	ELECTRIC WATER COOLER
GC	GENERAL CONTRACTOR	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
IG	ISOLATED GROUND	IRM	INFORMATION RESOURCES MANAGEMENT
MC	MECHANICAL CONTRACTOR	MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY	NEC	NATIONAL ELECTRICAL CODE
NF	NOT FUSED	SM	SURFACE MOUNTED
TC	TELECOMMUNICATIONS CONTRACTOR	TCC	TEMPERATURE CONTROLS CONTRACTOR
TV	TELEVISION	VSC	VARIABLE SPEED MOTOR CONTROLLER
WP	WEATHERPROOF ENCLOSURE - NEMA 4 TYPE		
X	EXISTING OUTLET, DEVICE, LIGHTING FIXTURE, CONDUIT, ETC. - TO REMAIN		
XB	INDICATES EXISTING OUTLET, LIGHTING FIXTURE, CONDUIT, ETC - TO BE REMOVED. PROVIDE BLANK COVER FOR OUTLET AND MAINTAIN CIRCUIT CONTINUITY.		
XL	NEW LOCATION OF EXISTING OUTLET, DEVICE, LIGHTING FIXTURE, ETC.		
XN	EXISTING OUTLET, DEVICE, LIGHTING FIXTURE, ETC. - TO BE REPLACED WITH NEW OF SPECIFIED TYPE		
XR	EXISTING OUTLET, DEVICE, LIGHTING FIXTURE, CONDUIT, ETC. - TO BE REMOVED COMPLETE- MAINTAIN CIRCUIT CONTINUITY TO ADJACENT OUTLETS, EXTEND CONDUIT AND WIRING AS REQUIRED.		
XRR	EXISTING OUTLET, DEVICE, LIGHTING FIXTURE, ETC. - TO BE REMOVED AND REINSTALLED AT NEW LOCATION - EXTEND CONDUIT AND WIRING AS REQUIRED		
XC	EXISTING CEILING DEVICE, LIGHTING FIXTURE, ETC. - TO BE REMOVED AND REINSTALLED AT SAME LOCATION		
VAMC	VETERANS AFFAIRS MEDICAL CENTER		

CONSULTANTS:

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Drawing Title
TECHNOLOGY LEGEND

Approved:

Project Title
SCI OUTPATIENT CLINIC
ADDITION

Location
VAMC - WADE PARK

Date
02/23/15

Checked
MPL

Drawn
TWM

Project Number
541-CSI-102

Building Number
1

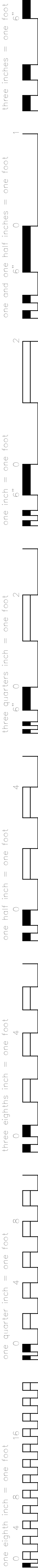
Drawing Number
1-T0.1

Dwg. of

Office of
Facilities
Management

Department of
Veterans Affairs

VA FORM 08-6231, OCT 1978




D1	ALL EXISTING SPECIAL SYSTEMS OUTLETS, CONDUIT, WIRING ETC. THAT WILL NOT BE REUSED IN THE REMODELED INSTALLATION SHALL BE REMOVED UNLESS OTHERWISE NOTED. THIS DEMOLITION SHALL INCLUDE ALL ELECTRICAL ITEMS THAT ARE IDENTIFIED BY THE OWNER THAT ARE DESIGNATED BY "X6" OR "X8" AND ALL OTHER ADDITIONAL ITEMS THAT ARE NOT SHOWN BUT THAT MUST BE REMOVED IN ORDER TO PRODUCE A NEAT, FINISHED, PROPERLY FUNCTIONING ELECTRICAL INSTALLATION. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING REUSED ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE REMAINING ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL FIELD VERIFY THE NATURE AND EXTENT OF ALL DEMOLITION WORK AND SHALL INCLUDE COST FOR THE SAME IN THE BID SUBMITTAL.
D2	ALL EXISTING REMOVED TECHNOLOGY EQUIPMENT, DEVICES, ETC. THAT ARE NOT RETAINED BY THE OWNER SHALL BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR.
D3	DASHED WALLS ON PLAN INDICATE EXISTING CONSTRUCTION TO BE REMOVED.
D4	REFER TO TECHNOLOGY LEGEND FOR ALL SYMBOL DESIGNATIONS. NOTE SPECIAL ATTENTION TO SELECTED EXISTING DEVICES, WIRWAYS, ETC. MARKED X8, XRR OR XN, AND REMOVE/BLANK OFF, RELOCATE OR REPLACE ANY COMPONENT AS NECESSARY.
D5	MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING TECHNOLOGY SYSTEM COMPONENTS IN AREAS NOT BEING REMODELED UNLESS OTHERWISE NOTED. PROVIDE ALL CONDUIT AND WIRING EXTENSIONS NECESSARY TO ACHIEVE SAME.
D6	THE ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE ALL TECHNOLOGY DEMOLITION WORK WITH THE GENERAL AND MECHANICAL CONTRACTORS.

UPON THE ACCEPTANCE OF DEDUCT ALTERNATE 2:

D1 DELETE THE WORK ASSOCIATED WITH REINSTALLING CEILING MOUNTED DEVICES INCLUDING LIGHTING FIXTURES, SMOKE DETECTORS, WIRELESS ACCESS POINTS, PAGING SPEAKERS, FOLLOWING COMPLETION OF STRUCTURAL WORK.

1 APPROXIMATE LOCATION OF NEW STRUCTURAL BEAMS AND REINFORCEMENTS. REMOVE ALL CEILING MOUNTED DEVICES INCLUDING LIGHTING FIXTURES, SMOKE DETECTORS, WIRELESS ACCESS POINTS, AND PAGING SPEAKERS. REINSTALL DEVICES AT SAME LOCATION FOLLOWING STRUCTURAL WORK.



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A circular professional engineer seal for the State of Ohio. The outer ring contains the text "STATE OF OHIO" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the name "M.P. LONG" and the number "59459". A signature, "M.P. Long", is written across the seal.

● **Perspectus**
architecture

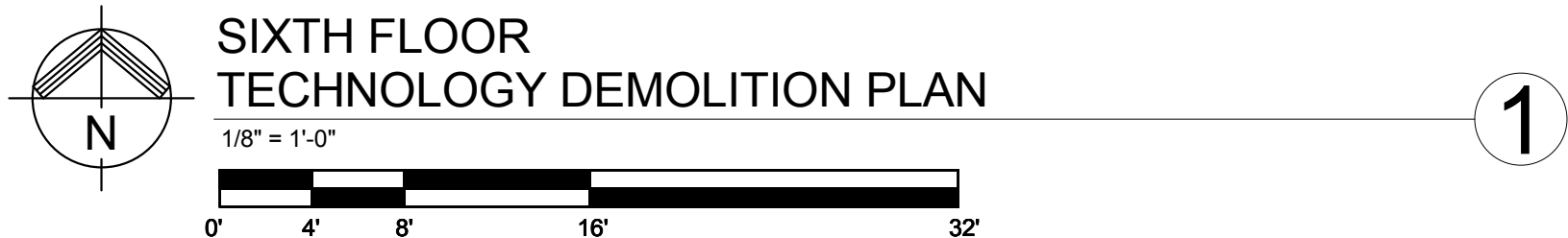
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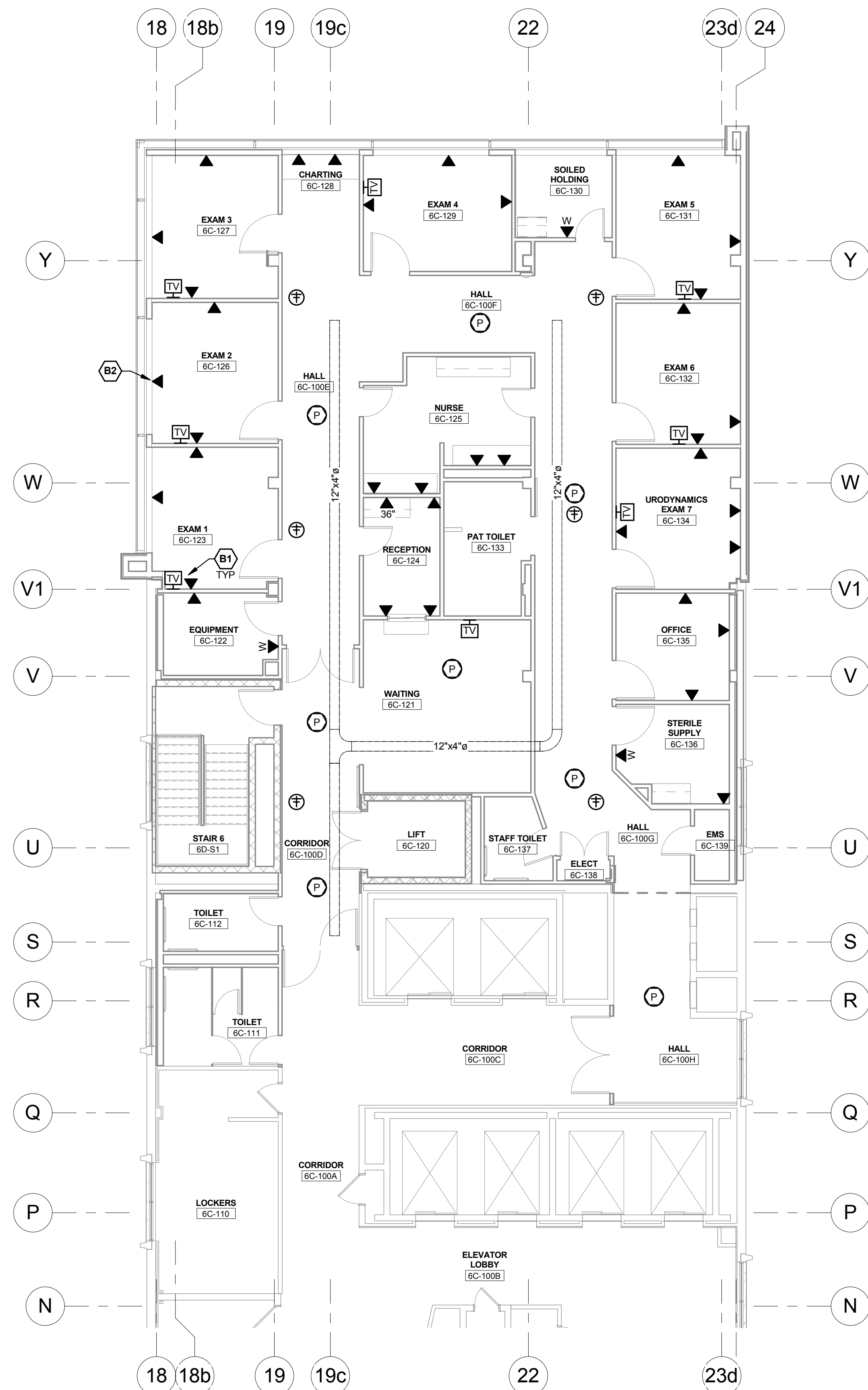
 Department of
Veterans Affairs



TECHNOLOGY DEMOLITION NOTES

D1	ALL EXISTING SPECIAL SYSTEMS OUTLETS, CONDUIT, WIRING ETC. THAT WILL NOT BE REUSED IN THE REMODELED INSTALLATION SHALL BE REMOVED UNLESS OTHERWISE NOTED. THIS DEMOLITION SHALL INCLUDE ALL ELECTRICAL ITEMS THAT ARE DESIGNATED BY "X2" OR "X8" AND ALL OTHER ADDITIONAL ITEMS THAT ARE NOT SHOWN BUT THAT MUST BE REMOVED IN ORDER TO PRODUCE A NEAT, FINISHED, PROPERLY FUNCTIONING ELECTRICAL INSTALLATION. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING REUSED ELECTRICAL SYSTEMS COMPONENTS. INSURE ALL CONDUIT AND WIRING NECESSARY TO ACHIEVE THE SAME. THE CONTRACTOR SHALL FIELD VERIFY THE NATURE AND EXTENT OF ALL DEMOLITION WORK AND SHALL INCLUDE COST FOR THE SAME IN THE BID SUBMITTAL.
D2	ALL EXISTING REMOVED TECHNOLOGY EQUIPMENT, DEVICES, ETC. THAT ARE NOT RETAINED BY THE OWNER SHALL BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR.
D3	DASHED WALLS ON PLAN INDICATE EXISTING CONSTRUCTION TO BE REMOVED.
D4	REFER TO TECHNOLOGY LEGEND FOR ALL SYMBOL, DESIGNATIONS. NOTE SPECIAL ATTENTION TO SELECTED EXISTING DEVICES, WIRWAYS, ETC. MARKED X2, XRR OR X8, AND REMOVE/BLANK OFF, RELOCATE OR REPLACE THESE COMPONENTS.
D5	MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING TECHNOLOGY SYSTEM COMPONENTS IN AREAS NOT BEING REMODELED UNLESS OTHERWISE NOTED. PROVIDE ALL CONDUIT AND WIRING EXTENSIONS NECESSARY TO ACHIEVE SAME.
D6	THE ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE ALL TECHNOLOGY DEMOLITION WORK WITH THE GENERAL AND MECHANICAL CONTRACTORS.

[illegible]



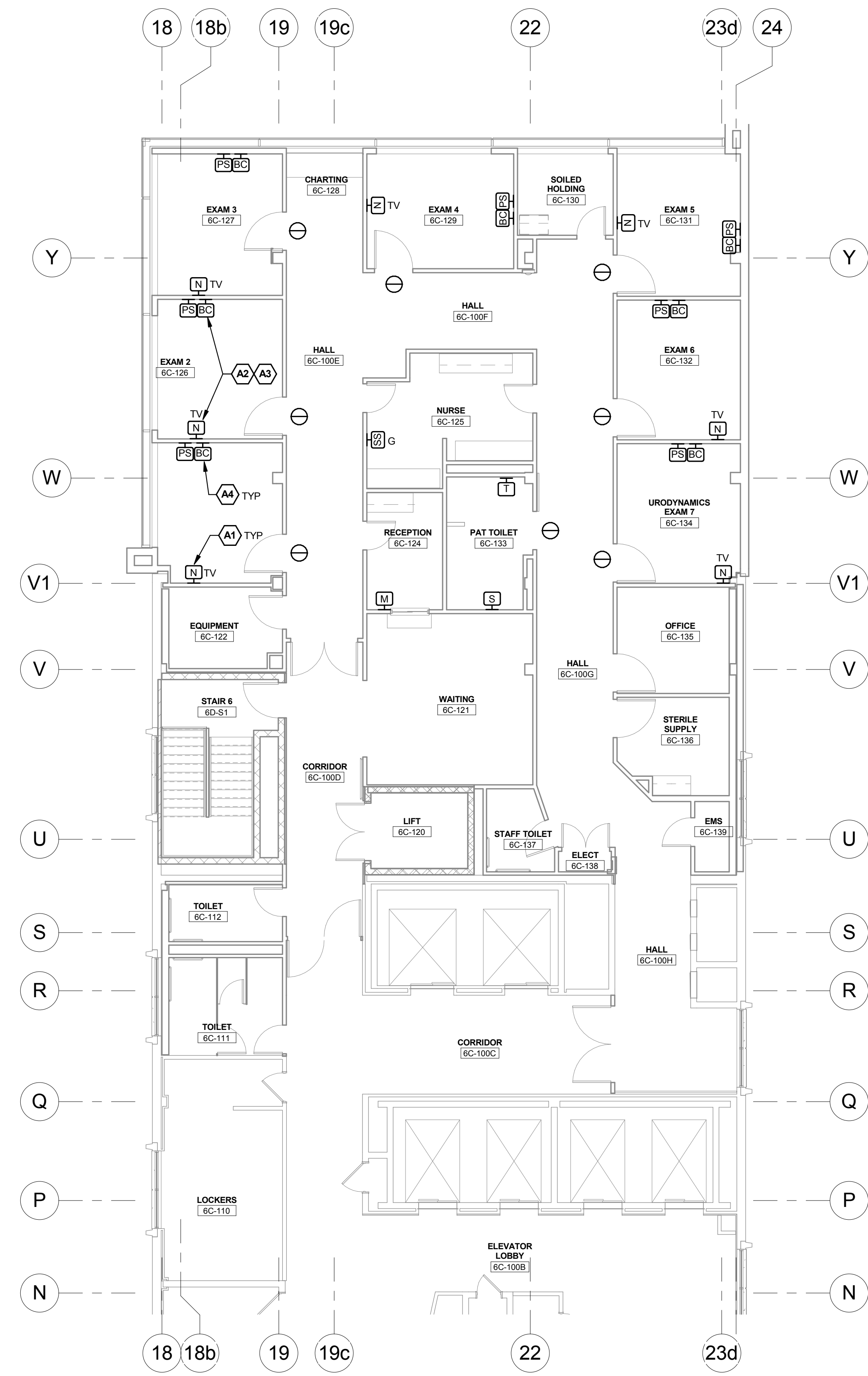
SIXTH FLOOR TELECOMMUNICATIONS PLAN

TELECOMMUNICATION CODED NOTES

- | | |
|----|---|
| B1 | COORDINATE EXACT LOCATION OF TV WITH COR PRIOR TO ROUGH-IN. |
| B2 | EXTERIOR WALL HAS CONTINUOUS WINDOW SYSTEM FROM APPROXIMATELY 3'-0" TO 6'-0" AFF. PROVIDE CONDUIT DOWN IN EXTERIOR WALL, AND AROUND FINESSE BELOW WINDOW SILL BOXES. COORDINATE SPACE REQUIREMENTS FOR WORK WITH OTHER TRADES. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION. |

TECHNOLOGY GENERAL NOTES

1. REFER TO THE ARCHITECTURAL PLANS FOR EQUIPMENT LAYOUT. CLOSELY COORDINATE THE EXACT LOCATION OF ALL OUTLETS AND DEVICES WITH ARCHITECTURAL ELEVATIONS. ADJUST LOCATIONS AND MOUNTING HEIGHTS WHERE NECESSARY TO PREVENT INTERFERENCE WITH FURNITURE, FIXED CASEWORK, EQUIPMENT, ETC. VERIFY ALL CHANGES PRIOR TO ROUGH-IN.
2. CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS, MOUNTING HEIGHTS, AND CONNECTION REQUIREMENTS (DATA OUTLETS, ETC) WITH EQUIPMENT VENDOR PRIOR TO ROUGH-IN.
3. ALL NEW TECHNOLOGY UTILITIES IN CORRIDORS SHALL BE ROUTED AS HIGH AS POSSIBLE.
4. REFER TO ARCHITECTURAL PLANS FOR EQUIP PHASING AND ALTERNATE REQUIREMENTS.
5. REFER TO "SIXTH FLOOR TECHNOLOGY KEY PLAN" FOR ADDITIONAL INFORMATION.

[illegible]

SIXTH FLOOR NURSE CALL PLAN

A horizontal bar divided into segments of alternating black and white. The segments are labeled with their lengths: 0', 4', 8', 16', and 32'.

NURSE CALL CODED NOTES

- | | |
|-----------|--|
| A1 | COORDINATE EXACOGATION OF NURSE CALL FOR TVX WITH COR PRIOR TO ROUGH-IN. |
| A2 | PROVIDE 18G CABLE FROM HILL-ROM AUDIO STATION BED CONNECTOR TO TV INTERFACE. NOTE THAT ONLY 3 CONDUCTORS ARE TO BE UTILIZED. COORDINATE CABLE WIRING TERMINATION REQUIREMENTS WITH HILL-ROM, PILLOW SPEAKER MANUFACTURER AND TELEVISION MANUFACTURER. |
| A3 | PROVIDE 1/4" TRS MALE TO 1/4" TRS MALE PATCH CABLE FROM NURSE CALL JACK TO OWNER PROVIDED TELEVISION. COORDINATE WITH COR PRIOR TO ORDERING. |
| A4 | <p>PROVIDE DIGITAL PILLOW SPEAKER FOR EACH EXAM ROOM (7 TOTAL) CAPABLE OF BEING PROGRAMMED FOR VARIOUS HOSPITAL GRADE TELEVISION SIGNALS. THE FOLLOWING FEATURES:</p> <ol style="list-style-type: none"> 1) DIRECT CHANNEL ENTRY (0-10 KEYPAD) 2) REMOTE CONTROL FROM BED CONTROLLER OUTLET COMPATIBLE CONNECTOR 3) DIGITAL VOLUME AND CHANNEL CONTROLS 4) FIELD REPROGRAMMABLE FOR DIFFERENT TELEVISION BRANDS 5) FULLY SEALED |

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Drawing Title

**SIXTH FLOOR
TELECOMMUNICATIONS AND
NURSE CALL PLAN**

Approved:

Project Title	SCI OUTPATIENT CLINIC ADDITION
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Location	VAMC - WADE PARK
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Date 09/09/15

Checked	MBI
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Drawn	BA1
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Drawn	BA1
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Drawn	BA1
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Project Number
544 CSL 102

541-CSI-102

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	Drawing Number
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1-T3.

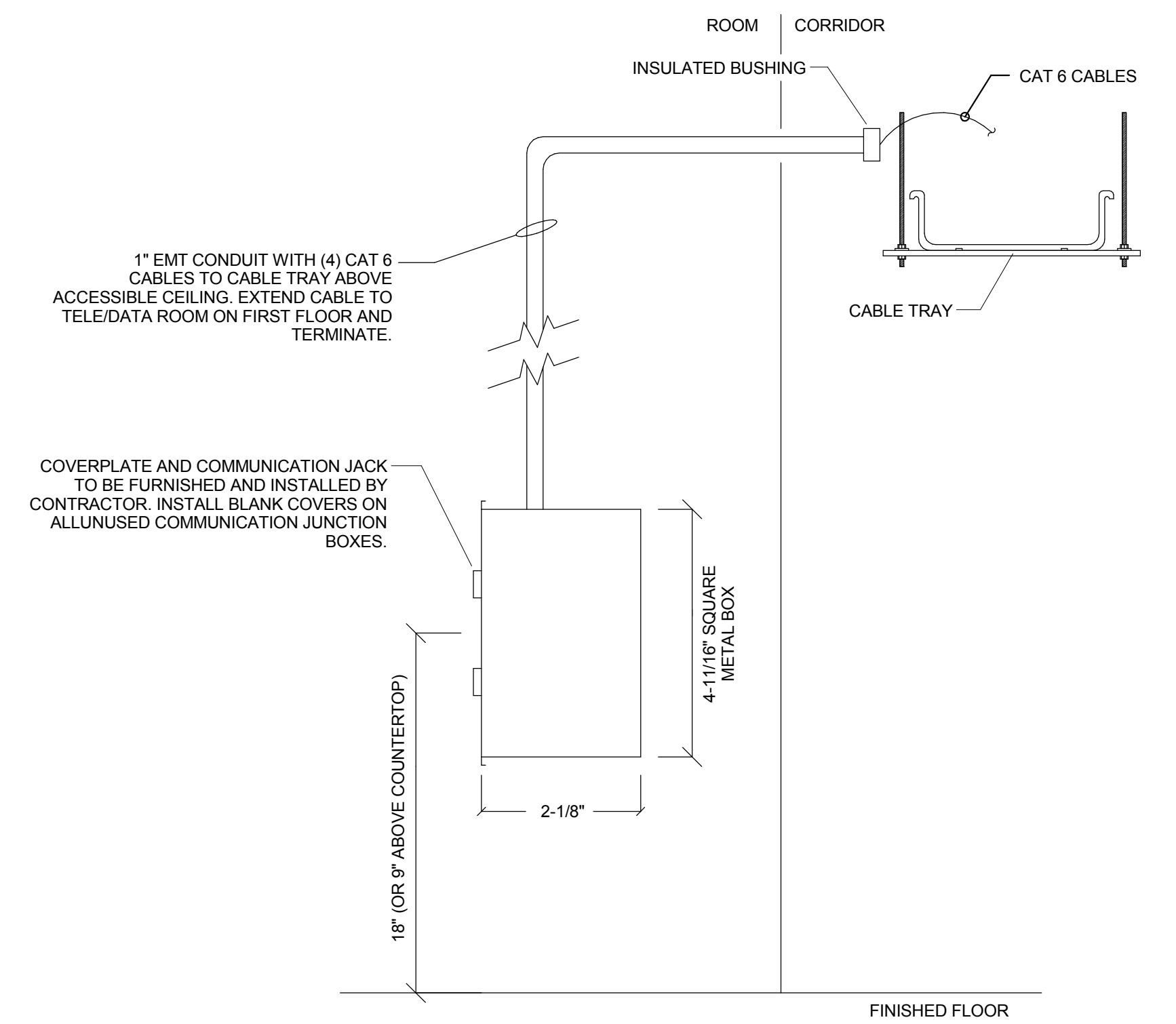
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FULLY SPRINKLERED

**Office of
Facilities
Management**



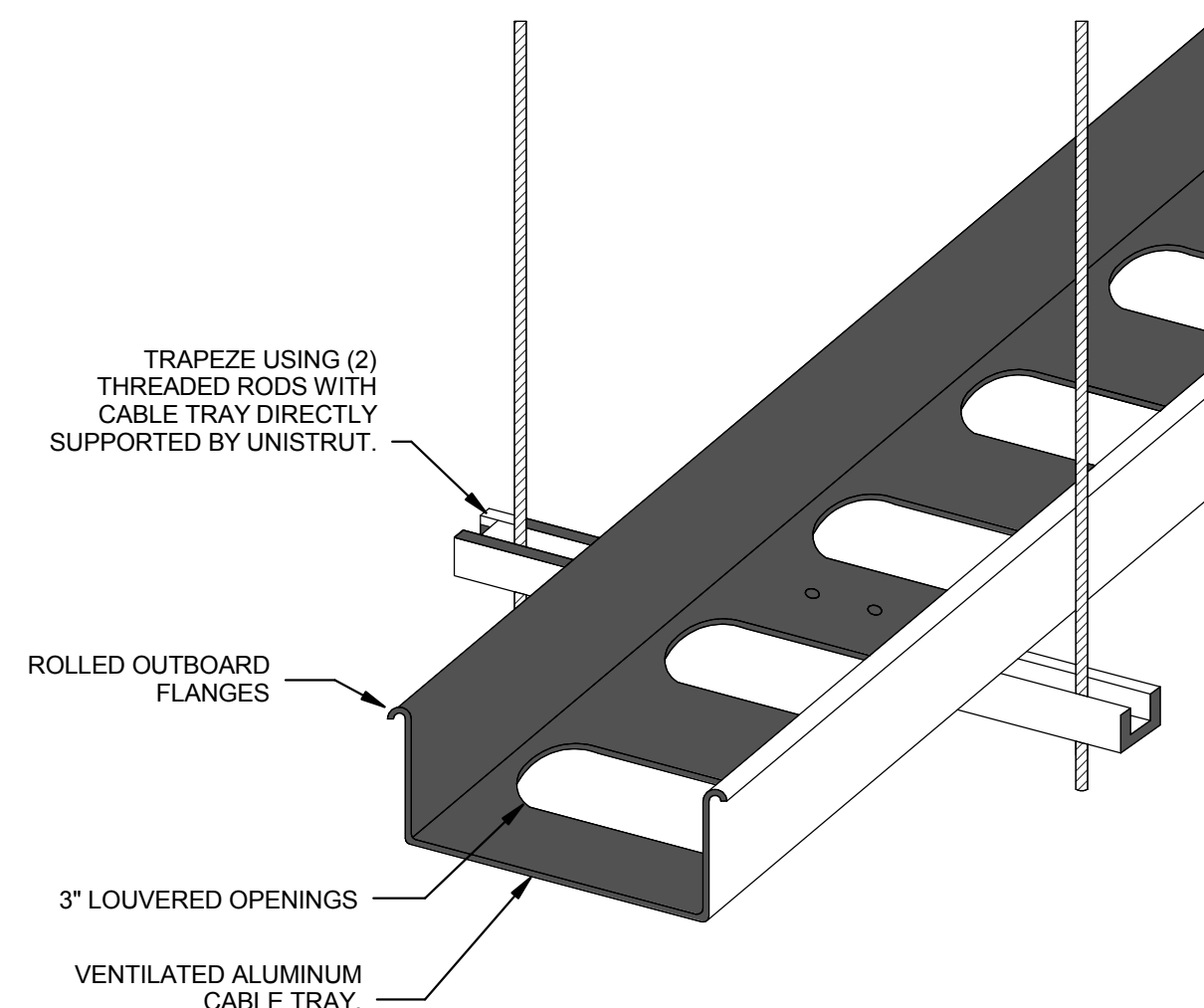


TELECOMMUNICATION OUTLET BACKBOX, CONDUIT AND CABLE TRAY DETAIL

-
- The diagram illustrates the internal wiring of a 4-Port Wallplate with Label Windows. It features a central panel with four RJ45 ports labeled 'A', 'B', 'C', and 'D'. The ports are arranged in two pairs: 'A' and 'B' are on the left, and 'C' and 'D' are on the right. The ports are connected to four modules: '1EA23VA' and '1EA23VB' (Voice modules) are connected to ports 'A' and 'B' respectively, and '1EA23D' and '1EA24D' (Data modules) are connected to ports 'C' and 'D' respectively. The modules are connected to a 4-Port Wallplate with Label Windows. The wallplate has four ports labeled 'CLOSET', 'PATCH PANEL', 'PORT #', and 'V=VOICE' (or 'D=DATA'). The connections are as follows:
- 1EA23VA:** Connected to 'CLOSET', 'PATCH PANEL', 'PORT #', and 'V=VOICE'.
 - 1EA23VB:** Connected to 'CLOSET', 'PATCH PANEL', 'PORT #', and 'V=VOICE'.
 - 1EA23D:** Connected to 'CLOSET', 'PATCH PANEL', 'PORT #', and 'D=DATA'.
 - 1EA24D:** Connected to 'CLOSET', 'PATCH PANEL', 'PORT #', and 'D=DATA'.
- Additional labels include 'A=BLU/ORG' and 'B=GRN/BRN' near the top ports, and 'WHITE CAT 6 VOICE MODULE' and 'BLUE CAT 6 DATA MODULE' near the bottom ports.

TELECOMMUNICATION OUTLET (TCO) DETAIL

NOT TO SCALE

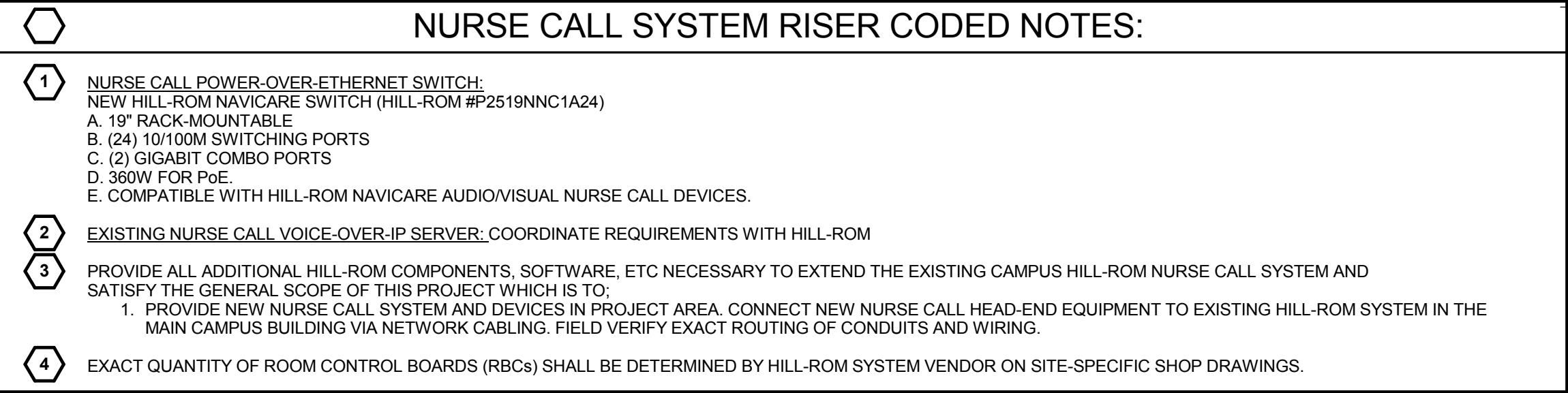


GENERAL NOTES:

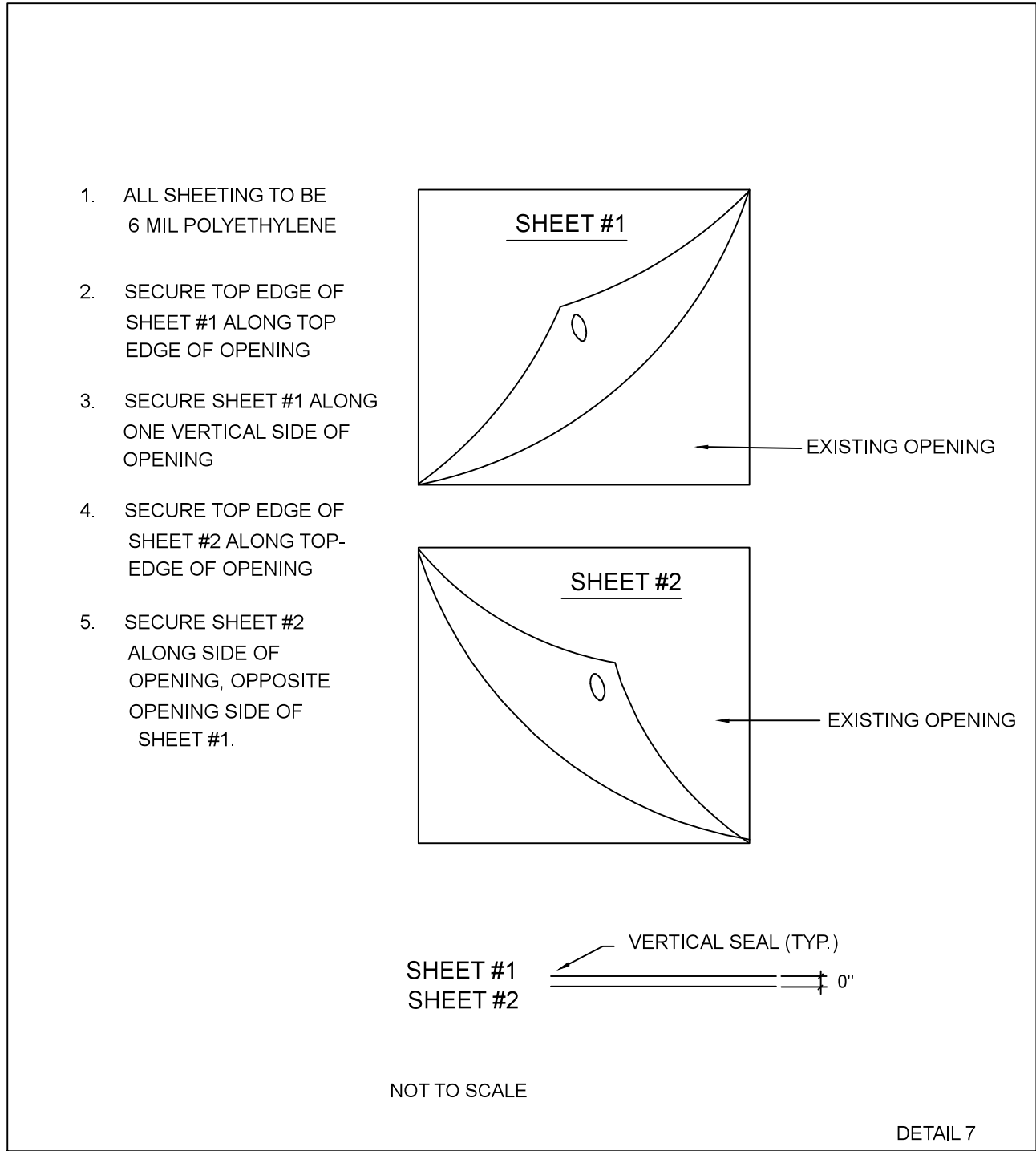
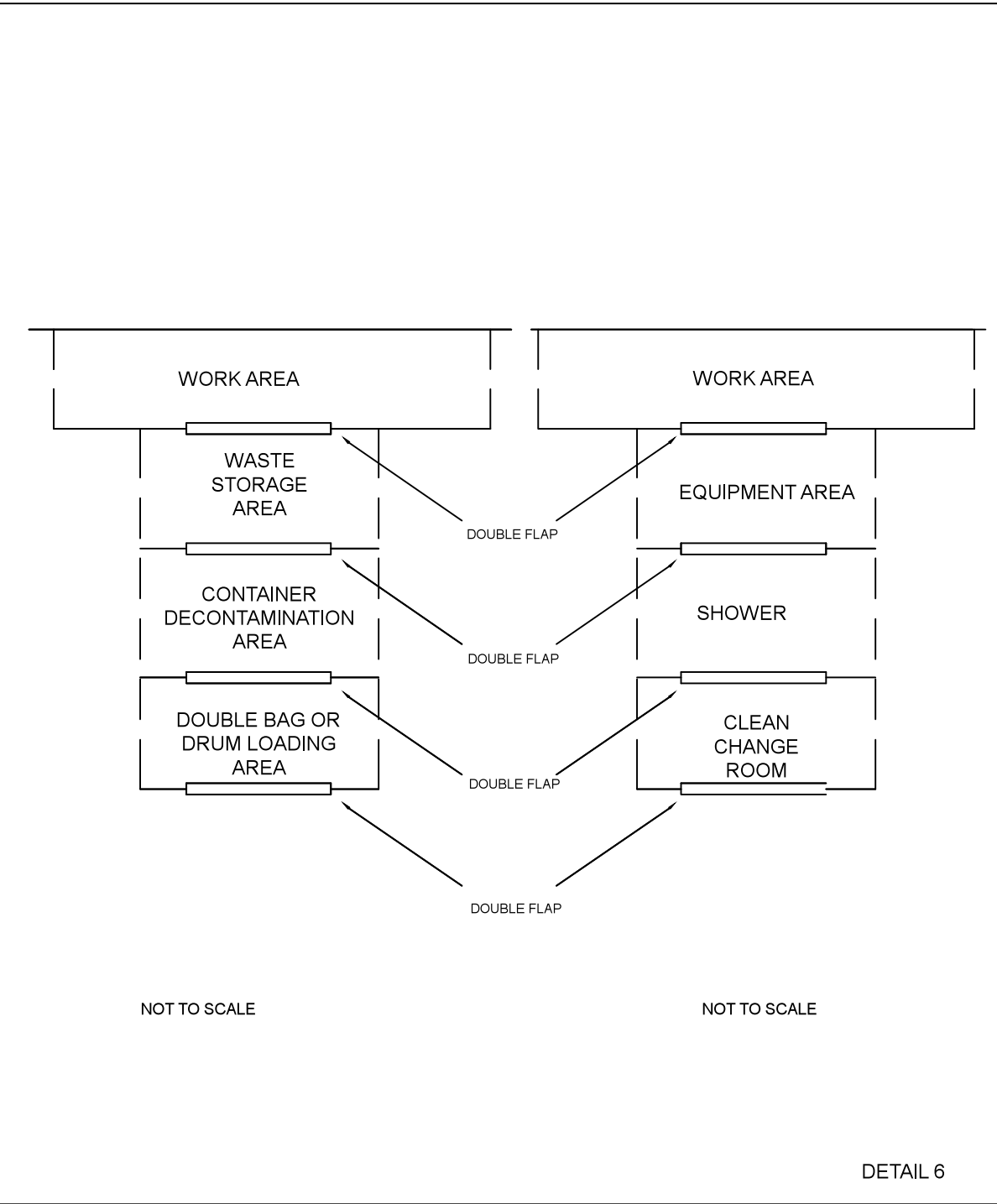
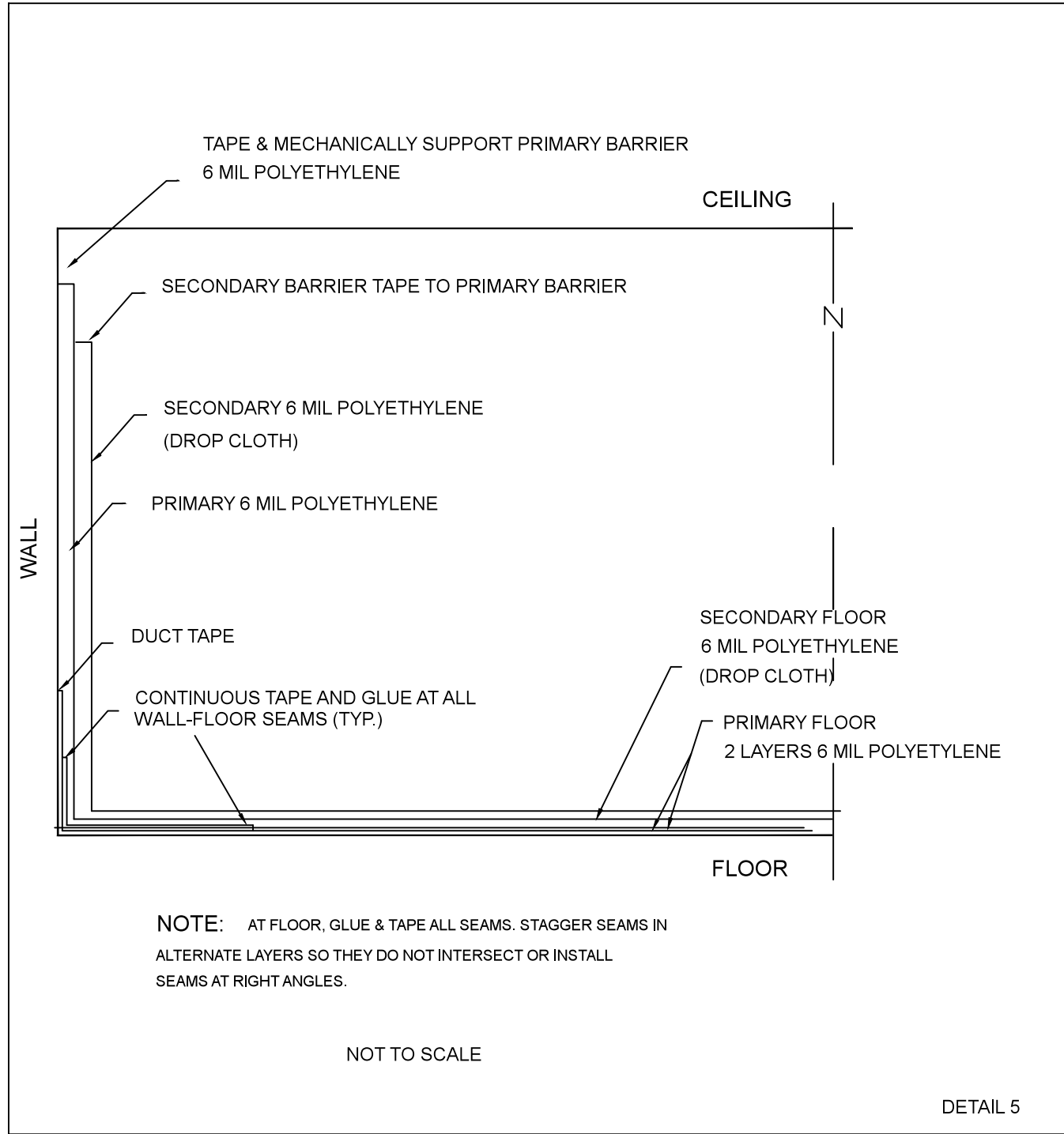
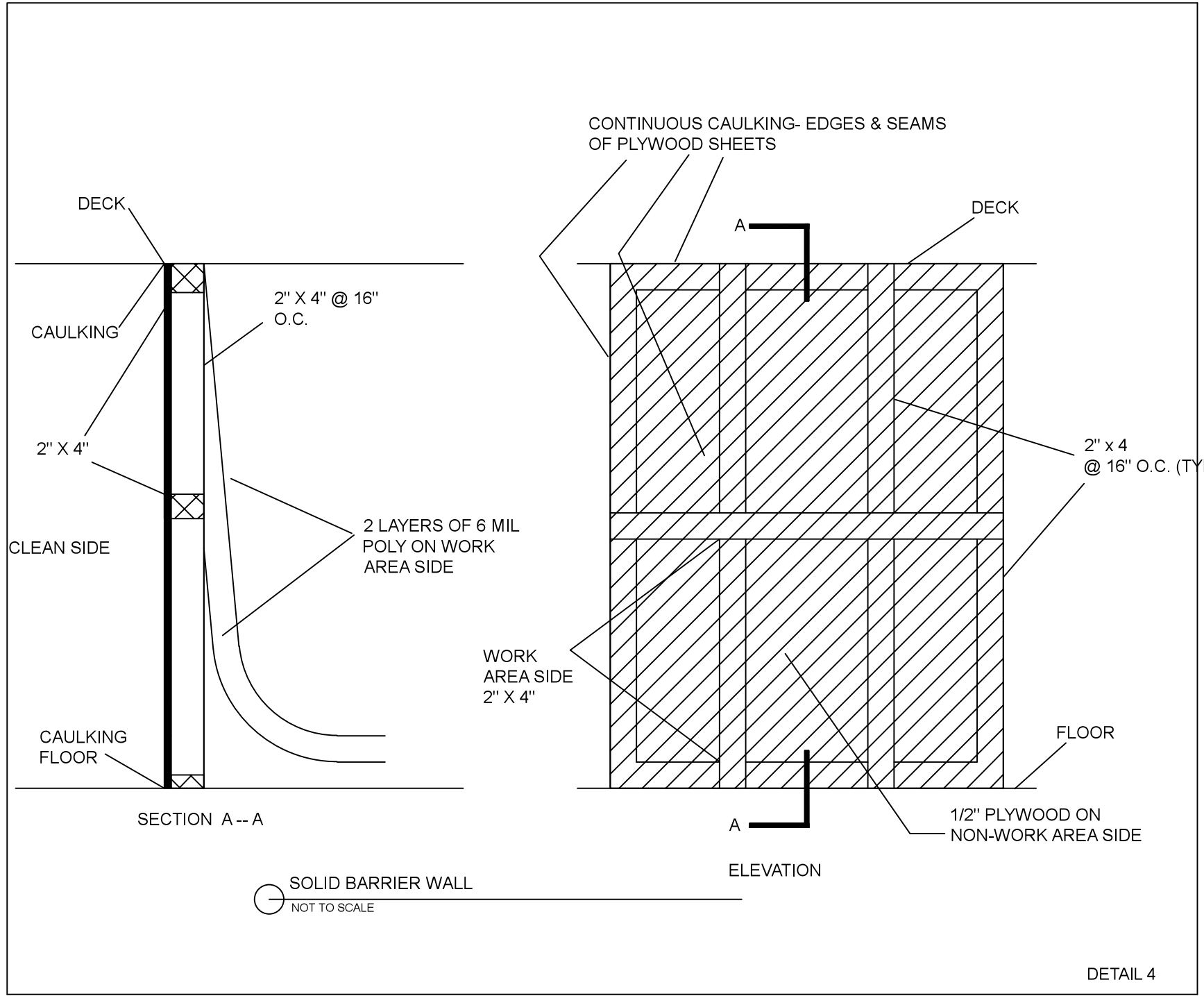
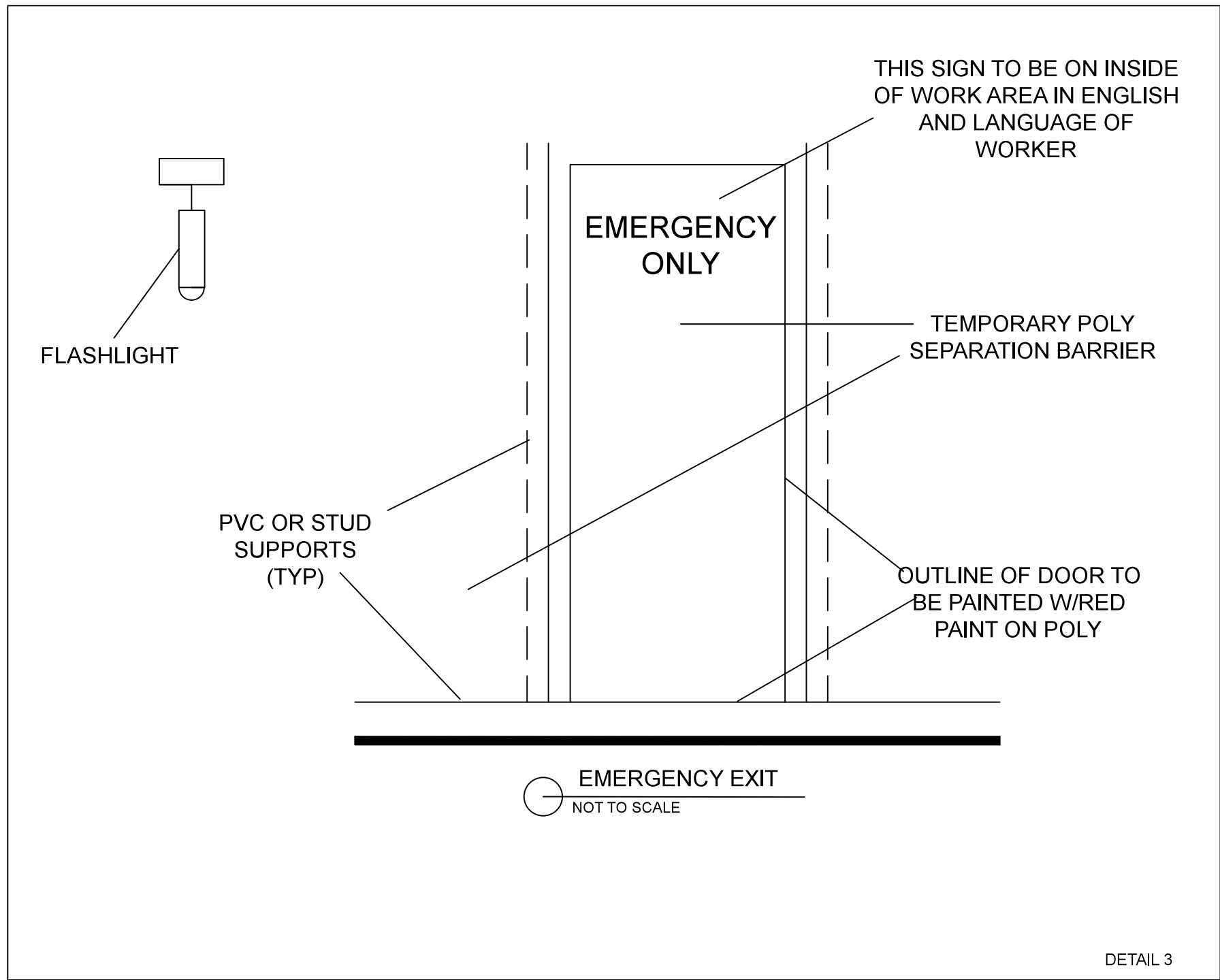
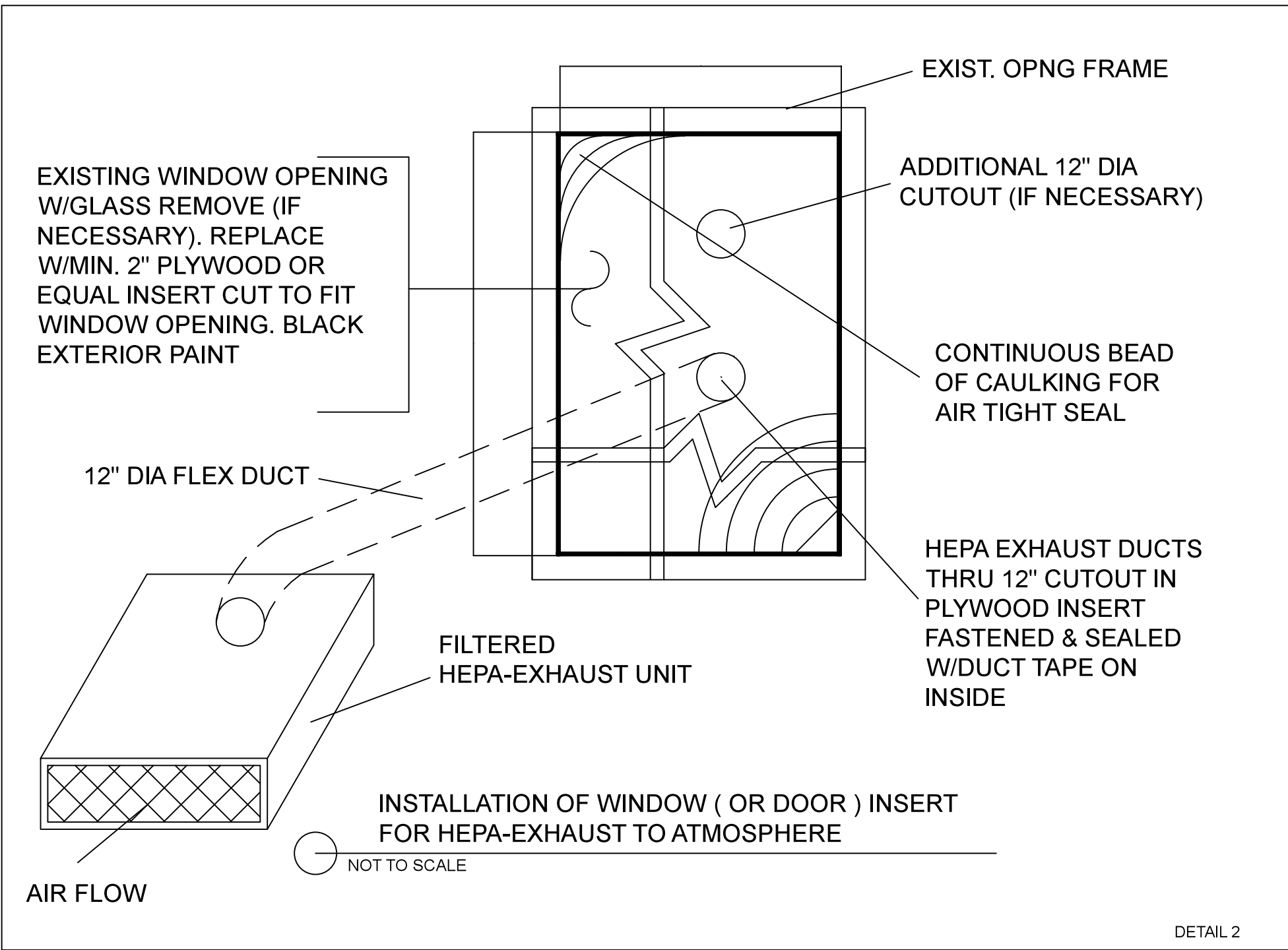
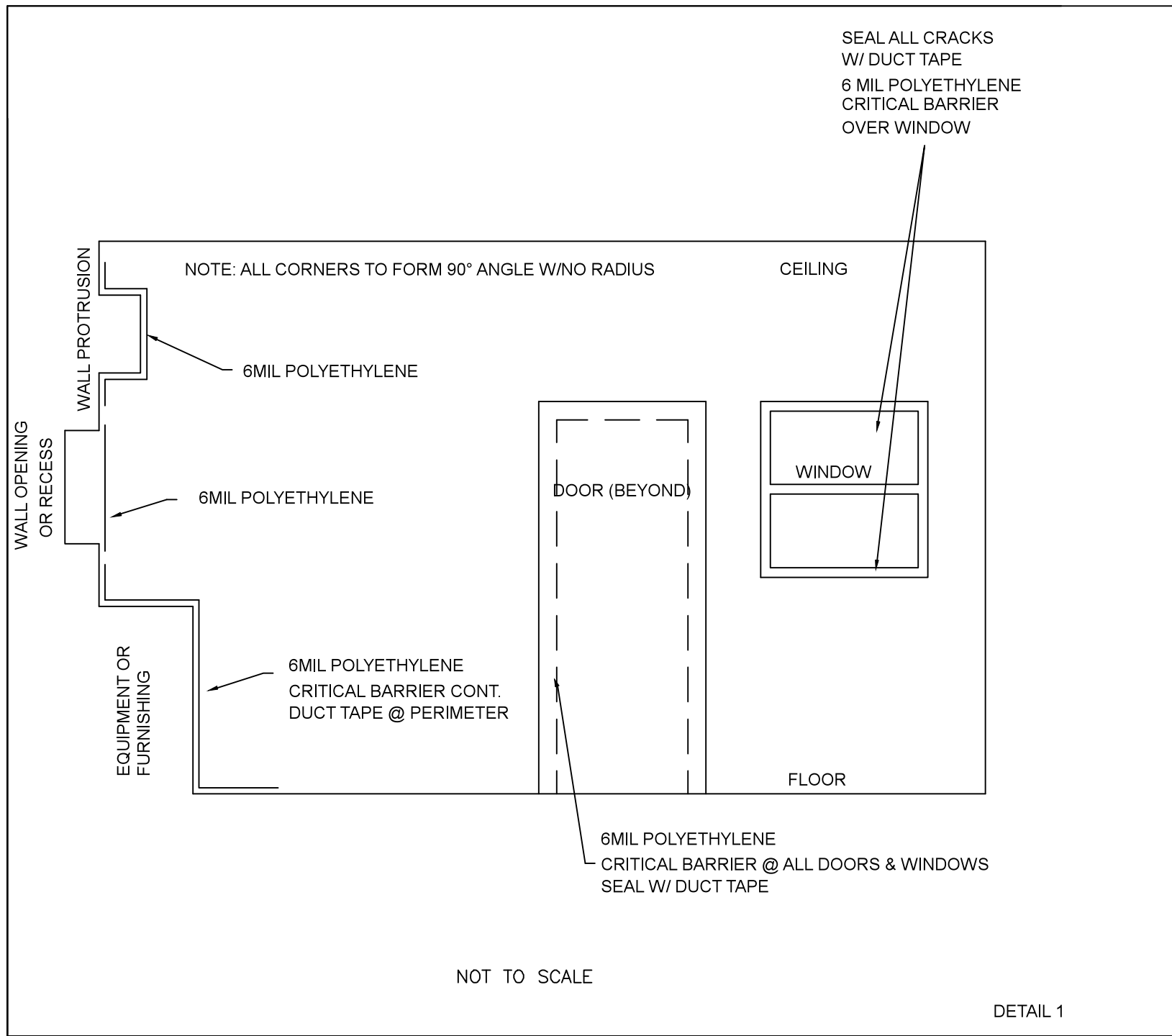
1. PROVIDE SUPPORT SPACING FOR THE FULL CABLE CAPACITY OF THE CABLE TRAY

- GENERAL NOTES:
1. PROVIDE 1-PORT WALLPLATE FOR WALL TELEPHONE OUTLET "W" AND ROLL BACK UNTERMINATED DATA CABLES IN JUNCTION BOX.
 2. COORDINATE LABELING SEQUENCE AND FORMAT WITH VA IRM.

CLOSET	PATCH PANEL	PORT #	D=DATA	CLOSET	PATCH PANEL	PORT #	D=DA
--------	-------------	--------	--------	--------	-------------	--------	------







Standard Asbestos Abatement Details

1

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ARCHITECT:

Drawing Title
**STANDARD ASBESTOS
ABATEMENT DETAILS**

Approved: Project Director

Project Title
**SCI OUTPATIENT CLINIC
ADDITION**

Location
VAMC - WADE PARK

Date
02/23/2015

Checked
EMO

Drawn
CAJ

Project Number
541-SCI-102

Building Number
1

Drawing Number
1-AA2

Dwg. 2 of 2

Office of
Facilities
Management



FINAL ISSUE
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